DETAIL SUPPLEMENT

IND. 1-A-37

Fenestra

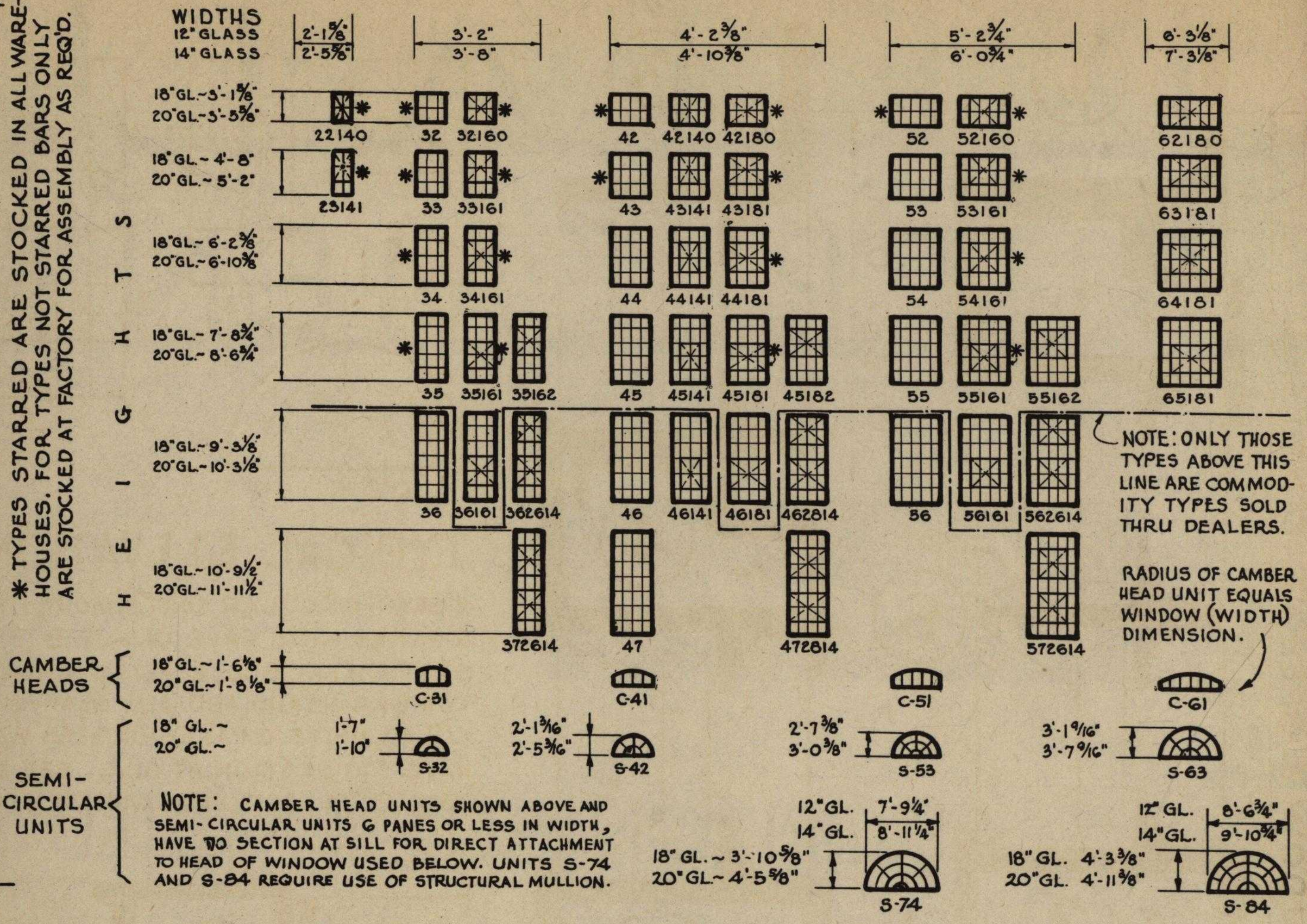
- HORIZONTALLY PIVOTED
- COMMERCIAL PROJECTED
- ARCHITECTURAL PROJECTED
- SECURITY (Guard) AND
- CONTINUOUS WINDOWS

DETROIT STEEL PRODUCTS COMPANY

General Offices: 2250 East Grand Boulevard, Detroit, Michigan
Factories: DETROIT, MICHIGAN and OAKLAND, CALIFORNIA

STANDARD AND STOCK TYPES

* TYPES STARRED ARE STOCKED IN ALL WAREHOUSES. FOR TYPES NOT STARRED BARS ONLY ARE STOCKED AT FACTORY FOR ASSEMBLY AS REQ'D.



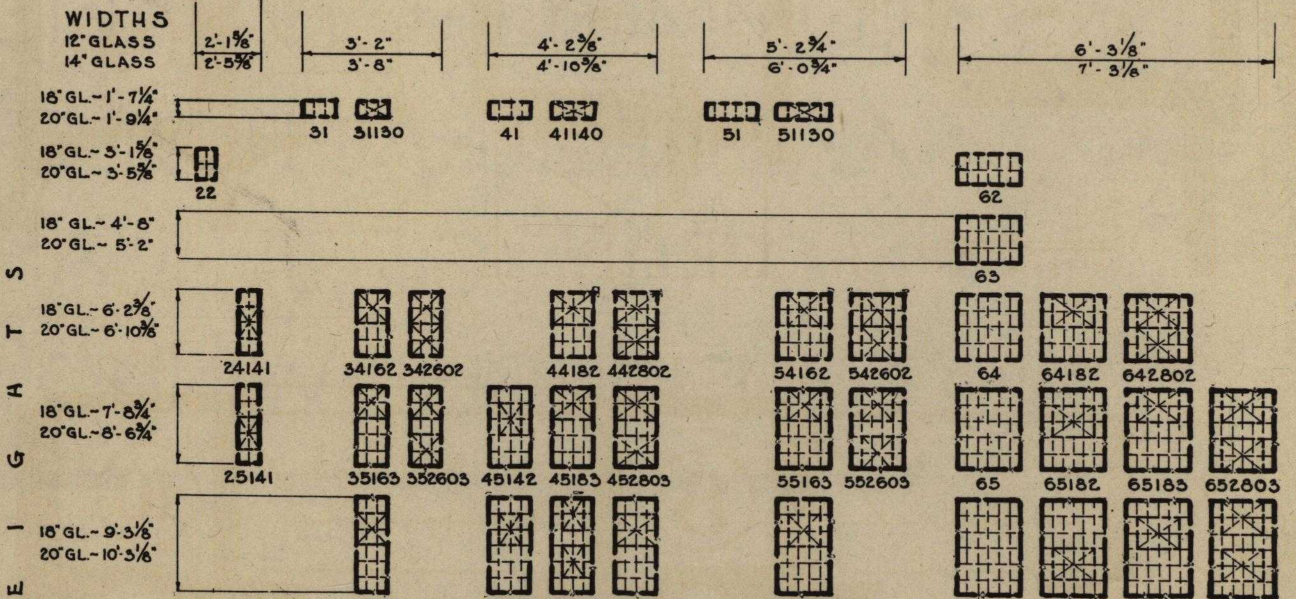
NOTE: ONLY THOSE TYPES ABOVE THIS LINE ARE COMMODITY TYPES SOLD THRU DEALERS.

RADIUS OF CAMBER HEAD UNIT EQUALS WINDOW (WIDTH) DIMENSION.

NOTE: CAMBER HEAD UNITS SHOWN ABOVE AND SEMI-CIRCULAR UNITS 6 PANES OR LESS IN WIDTH, HAVE NO SECTION AT SILL FOR DIRECT ATTACHMENT TO HEAD OF WINDOW USED BELOW. UNITS S-74 AND S-84 REQUIRE USE OF STRUCTURAL MULLION.

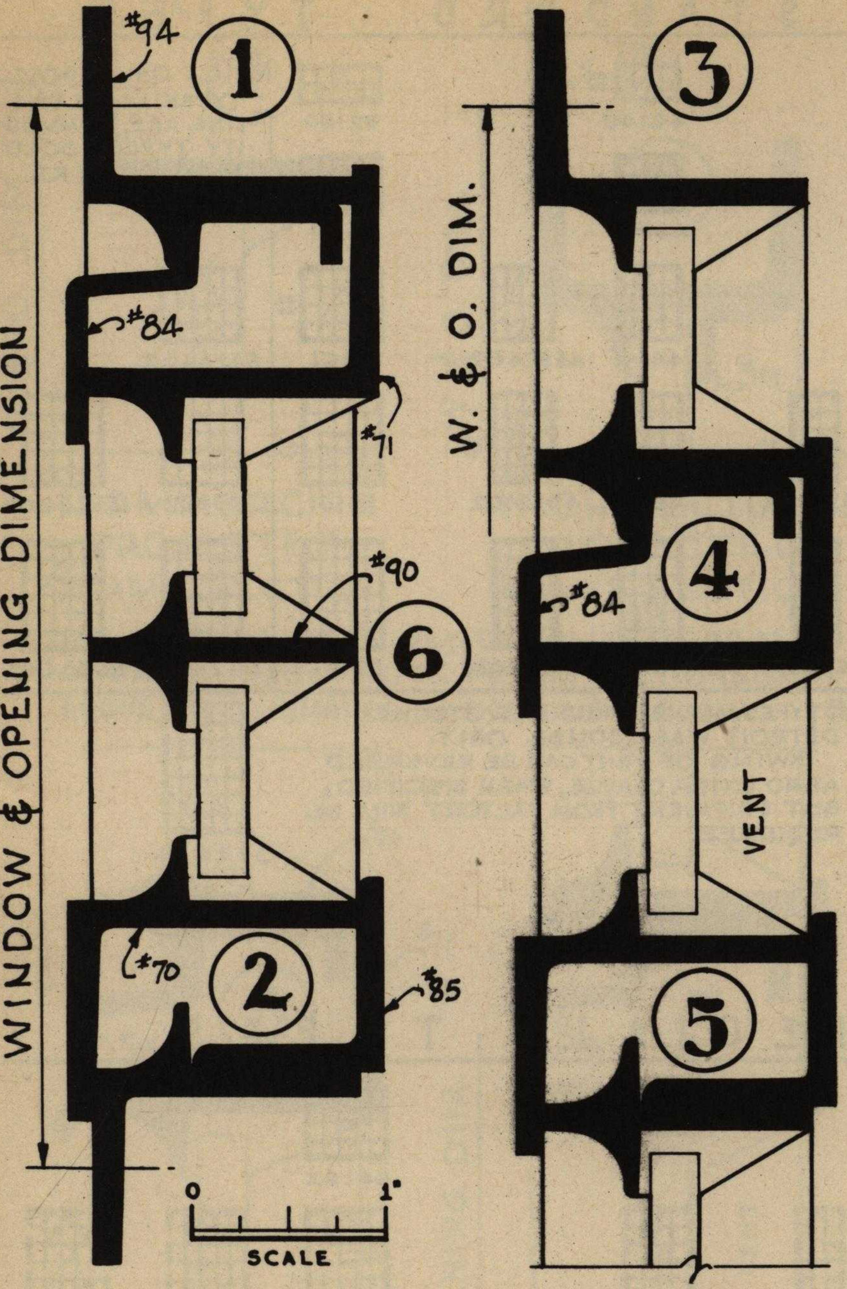
LISTED SPECIAL TYPES

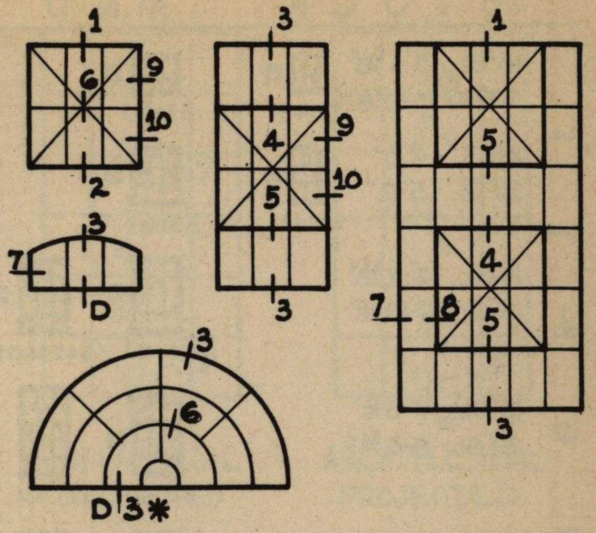
GLASS SIZE COMBINATIONS ARE 12" × 18" AND 14" × 20". LISTED SPECIAL UNITS ARE BUILT AT THE FACTORY AS REQ'D.



PIVOTED TYPES AND SIZES

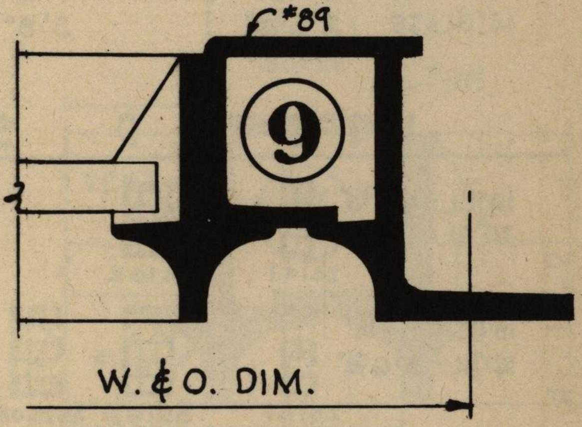
L-116

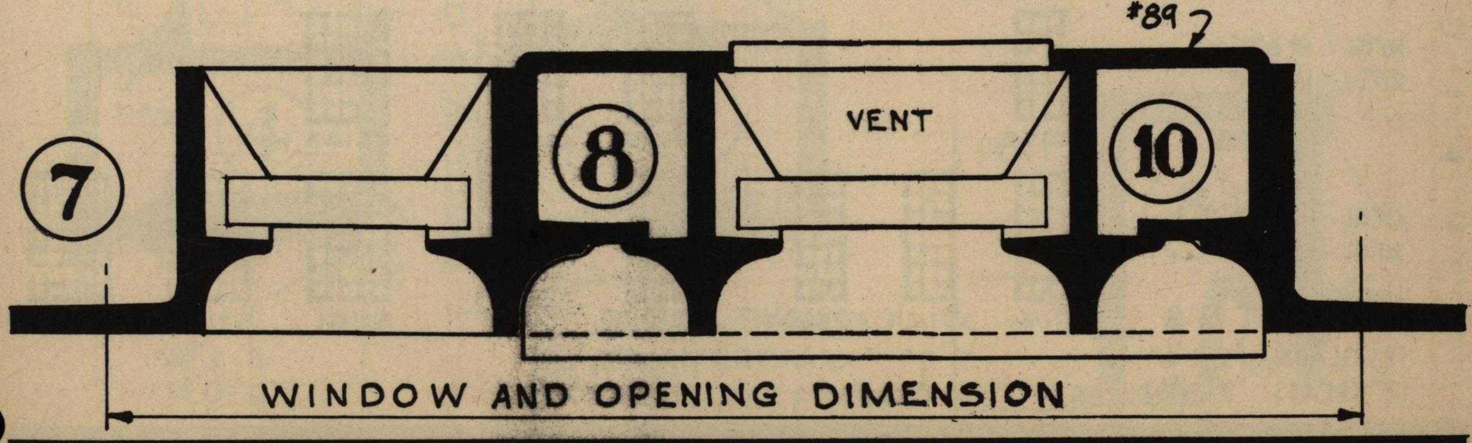




TYPICAL ELEVATIONS

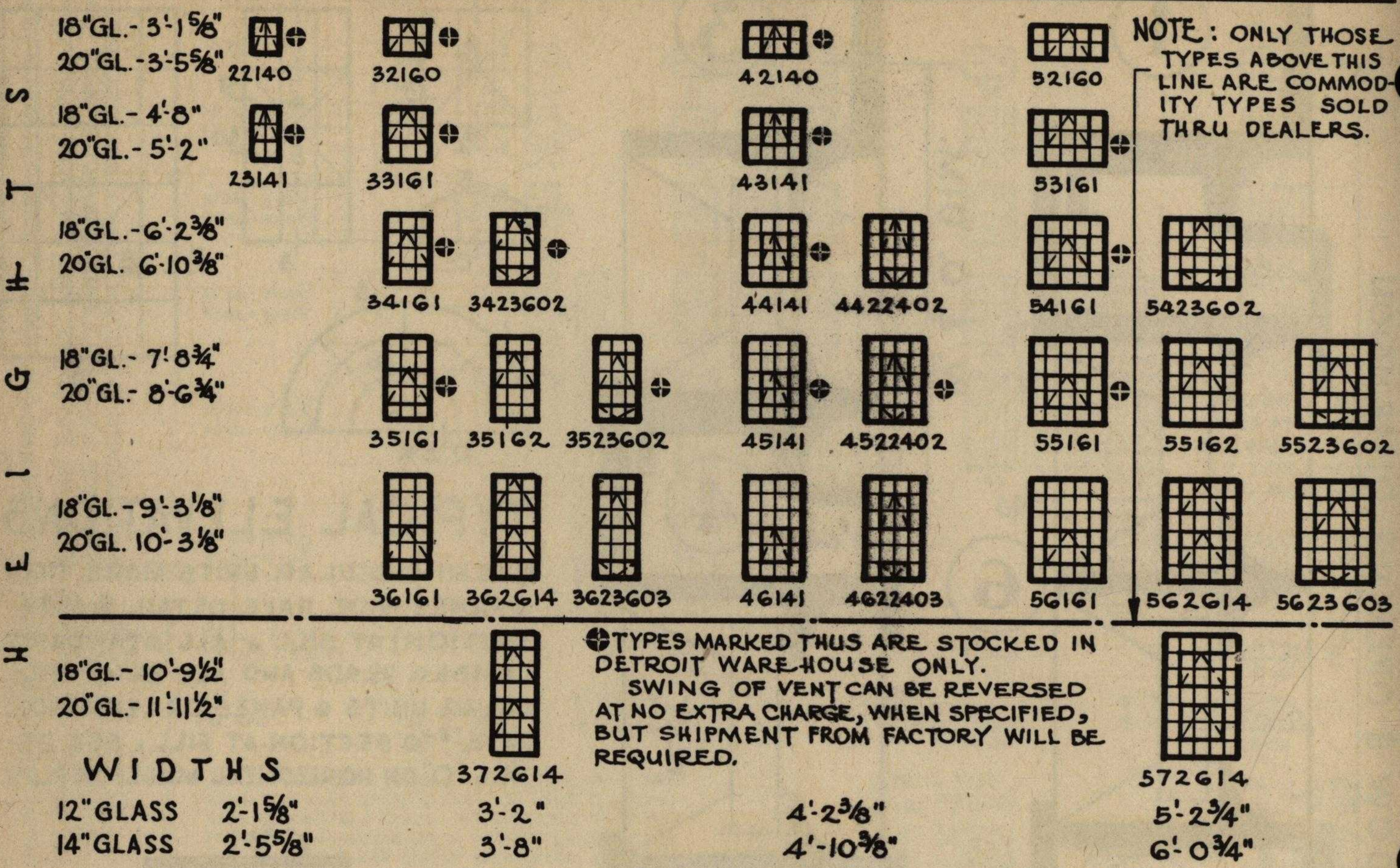
* SEMI-CIRCULAR UNITS MORE THAN 6 PANES WIDE HAVE DETAIL 3 (#94 SECTION) AT SILL. ALL STANDARD CAMBER HEADS AND ALL SEMI-CIRCULAR UNITS 6 PANES OR LESS WIDE HAVE #70 SECTION AT SILL. SEE DETAIL "D" ON HORIZONTAL MULLION PLATE.





HORIZONTALLY PIVOTED SECTIONS L-125

STOCK AND STANDARD TYPES

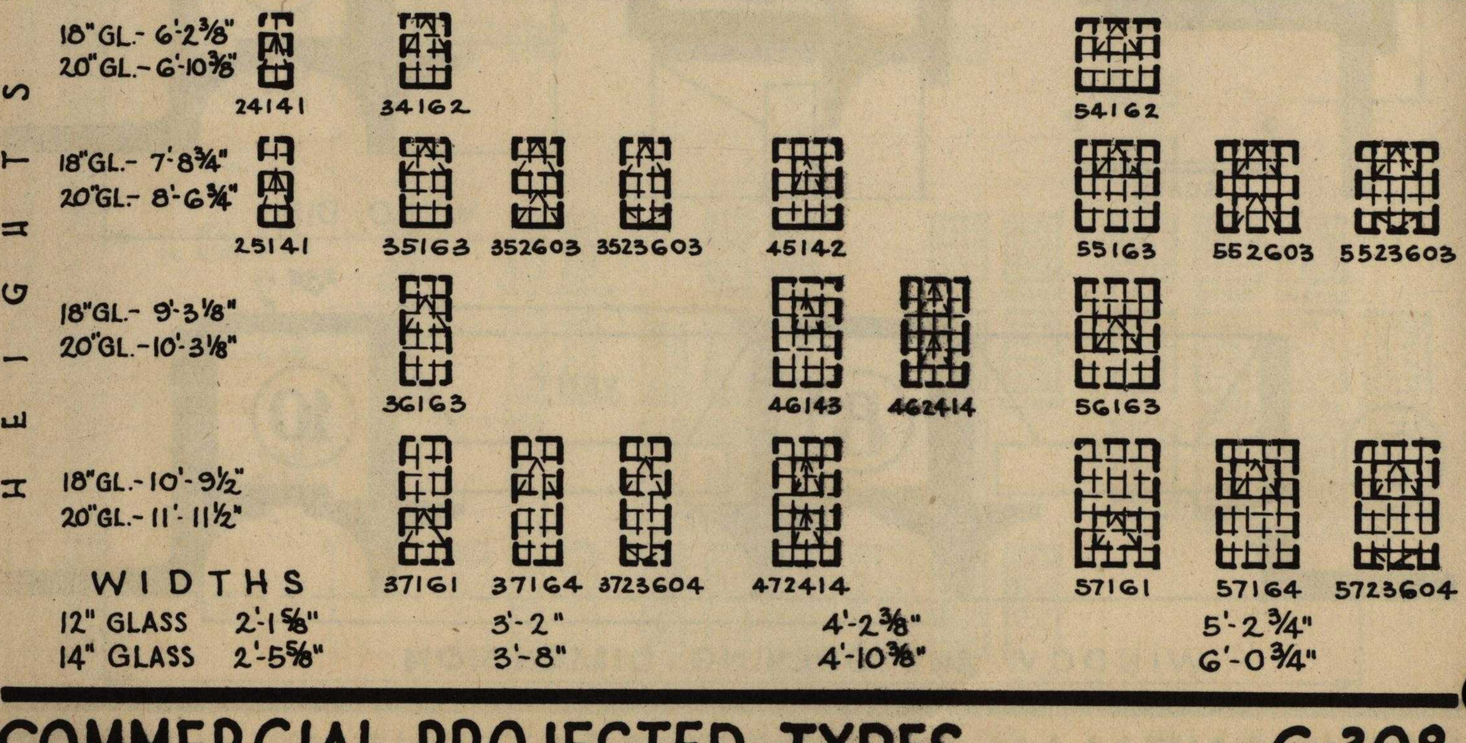


NOTE: ONLY THOSE TYPES ABOVE THIS LINE ARE COMMODITY TYPES SOLD THRU DEALERS.

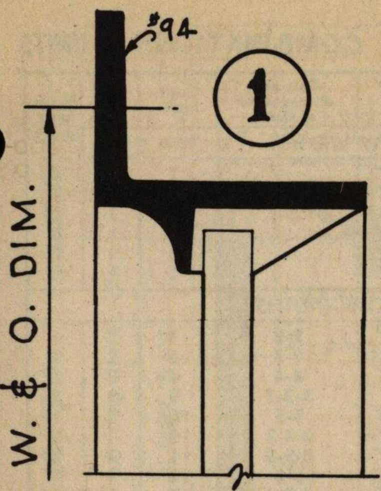
⊕ TYPES MARKED THUS ARE STOCKED IN DETROIT WARE-HOUSE ONLY.

SWING OF VENT CAN BE REVERSED AT NO EXTRA CHARGE, WHEN SPECIFIED, BUT SHIPMENT FROM FACTORY WILL BE REQUIRED.

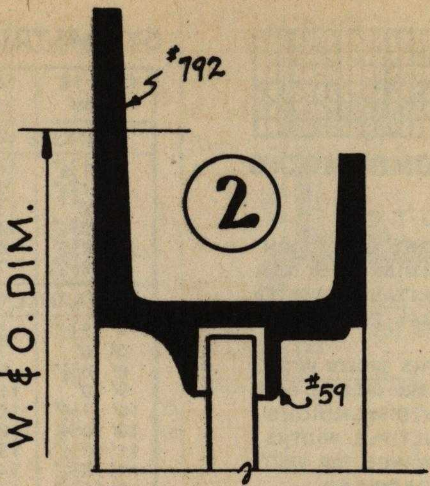
LISTED SPECIAL TYPES



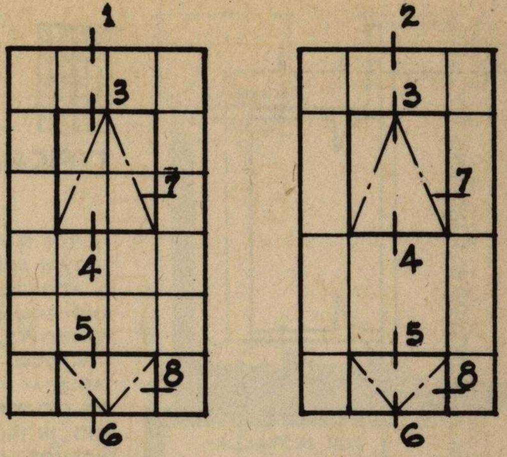
COMMERCIAL PROJECTED TYPES G-308



COMMERCIAL PROJECTED FRAME SECTION



ARCHITECTURAL PROJECTED FRAME SECTION



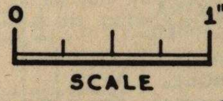
COMMERCIAL PROJECTED

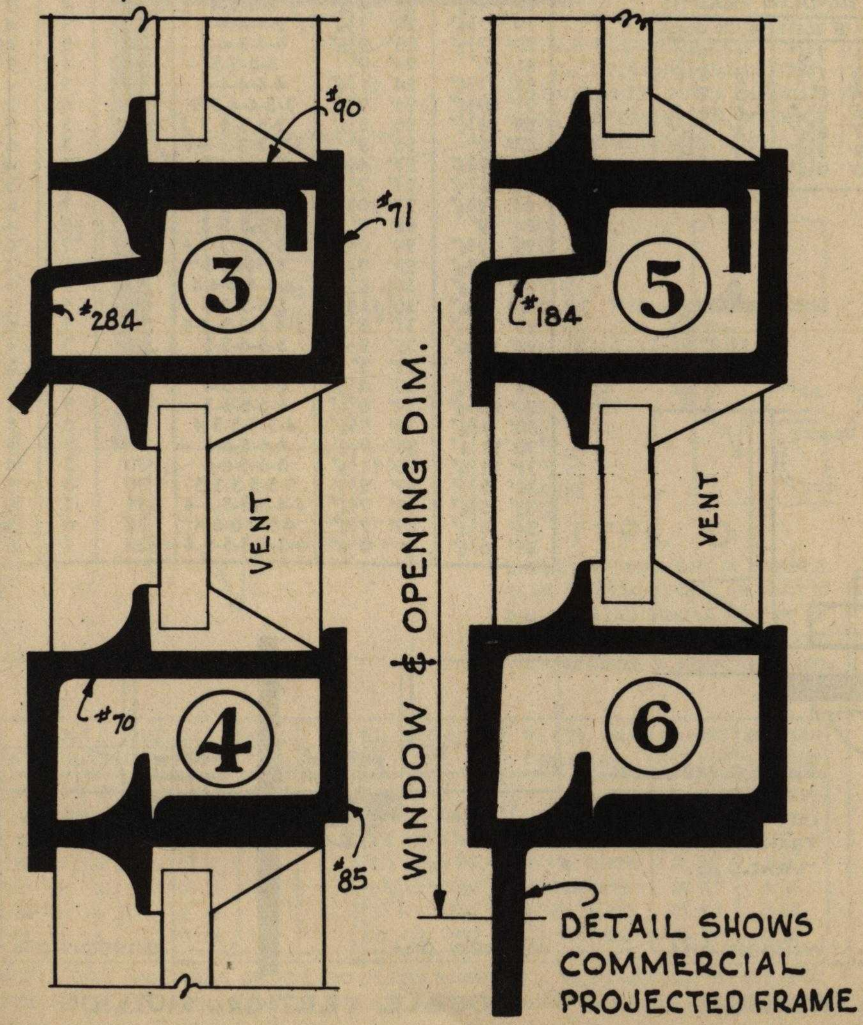
ARCHITECTURAL PROJECTED

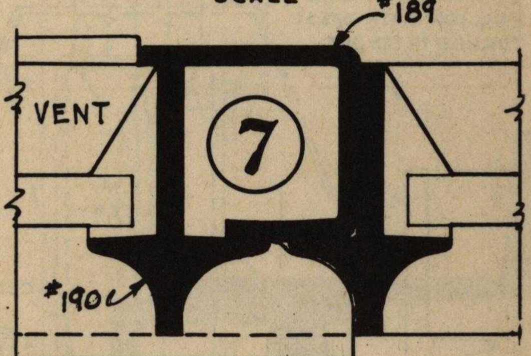
TYPICAL TYPES

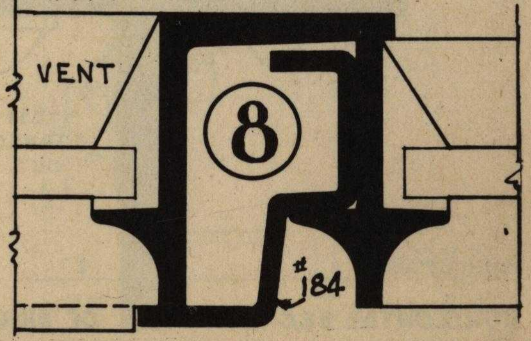
FOR DETAILS WHEN VENTS COME TO FRAME OF UNITS, SUBSTITUTE FRAME SECTIONS (SHOWN ABOVE) FOR MUNTINS IN DETAILS BELOW.

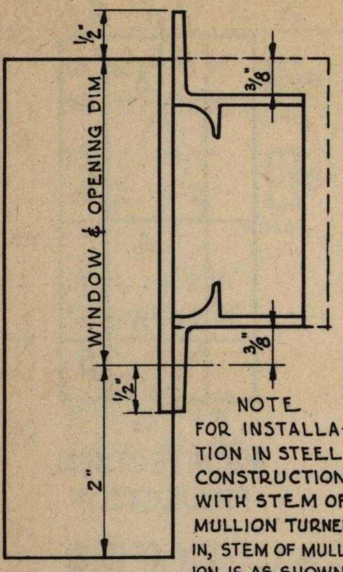
NOTE: STANDARD GLAZING FOR COMMERCIAL PROJECTED UNITS IS WITH PUTTY AS SHOWN ON DETAILS. GLAZING ANGLES PER DETAIL 2 ARE STANDARD FOR ARCHITECTURAL PROJECTED UNITS.







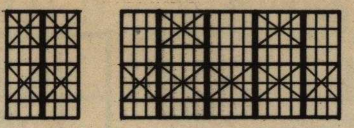




NOTE
FOR INSTALLATION IN STEEL CONSTRUCTION WITH STEM OF MULLION TURNED IN, STEM OF MULLION IS AS SHOWN DOTTED.

VERTICAL SECTION AT MULLION SHOWING CUTOFF

DETAIL SHOWN (SOLID) IS SAME FOR ALL INSTALLATIONS WITH STEM OF MULLION TURNED OUT OR IN, EXCEPT AS NOTED ABOVE



TYPICAL COMBINATIONS

NOTE

ONLY MULLIONS OF DESIGN SHOWN ARE FURNISHED BY D.S.P. Co. FOR HORIZONTALLY PIVOTED AND COMMERCIAL PROJECTED WINDOWS.

WINDOW WIDTHS SHOWN IN THE TABLE AT RIGHT ARE OVERALL OPENING AND WINDOW DIMENSIONS AND, IN THE MULTIPLE WIDTHS, INCLUDE ALLOWANCE FOR VERTICAL MULLIONS REQUIRED.

OPENING WIDTH FOR ANY COMBINATION EQUALS TOTAL OF WINDOW (WIDTH) DIMENSIONS PLUS 2" FOR EACH VERTICAL MULLION.

ALWAYS COMBINE UNITS OF THE SAME GLASS SIZES. ALSO ALWAYS COMBINE 12" WIDTHS WITH 18" HEIGHTS AND 14" WIDTHS WITH 20" HEIGHTS.

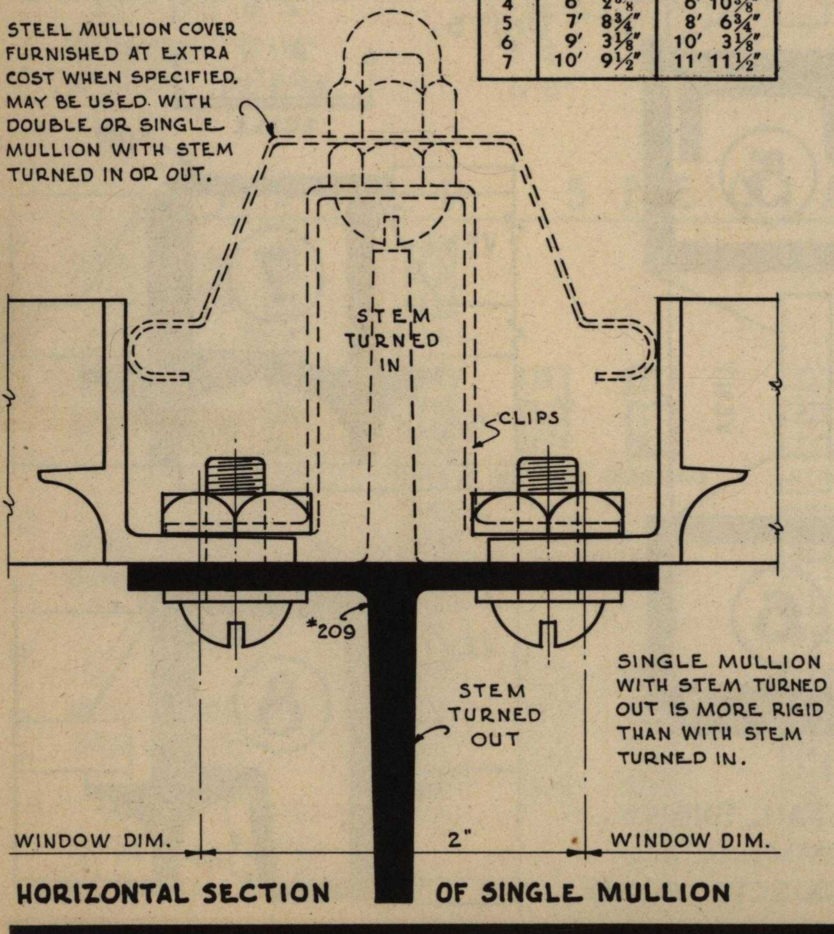
SINGLE WINDOW HEIGHTS

LIGHTS	12" × 18" GLASS	14" × 20" GLASS
1	1' 7¼"	1' 9¼"
2	3' 1⅝"	3' 5⅝"
3	4' 8"	5' 2"
4	6' 2⅜"	6' 10⅜"
5	7' 8¾"	8' 6¾"
6	9' 3⅛"	10' 3⅛"
7	10' 9½"	11' 11½"

SYMMETRICAL COMBINATIONS of UNITS

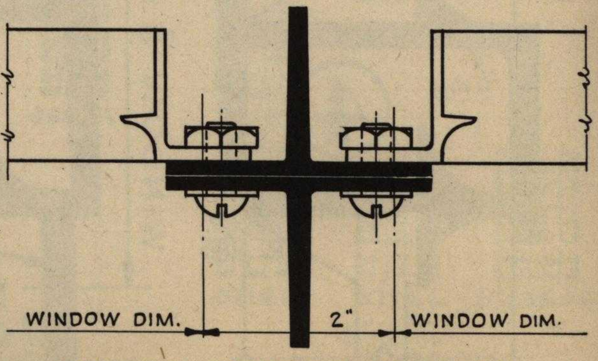
12" x 18" Glass	14" x 20" Glass	Type and Arrangement of Units	Total Lights Wide	No. Units Wide	No. of Vert. Mulls.
SINGLE WINDOW WIDTHS					
1' 1¼"	1' 3¼"	....	1	1	0
2' 1⅝"	2' 5⅝"	....	2	1	0
3' 2"	3' 8"	....	3	1	0
4' 2⅜"	4' 10⅜"	....	4	1	0
5' 2¾"	6' 0¾"	....	5	1	0
6' 3⅛"	7' 3⅛"	....	6	1	0
MULTIPLE WINDOW WIDTHS					
4' 5¼"	5' 1¼"	2-2	4	2	1
6' 6"	7' 6"	3-3	6	2	1
8' 6¾"	9' 10¾"	4-4	8	2	1
9' 10"	11' 4"	3-3-3	9	3	2
10' 7½"	12' 3½"	5-5	10	2	1
10' 10⅜"	12' 6⅜"	3-4-3	10	3	2
11' 10¾"	13' 8¾"	3-5-3	11	3	2
12' 8¼"	14' 8¼"	6-6	12	2	1
12' 11⅛"	14' 11⅛"	4-4-4	12	3	2
13' 2"	15' 2"	3-3-3-3	12	4	3
13' 11½"	16' 1½"	4-5-4	13	3	2
14' 11⅞"	17' 3⅞"	5-4-5	14	3	2
15' 2¾"	17' 6¾"	3-4-4-3	14	4	3
16' 0¼"	18' 6¼"	5-5-5	15	3	2
16' 6"	19' 0"	3-3-3-3-3	15	5	4
17' 0⅝"	19' 8⅝"	5-6-5	16	3	2
17' 3½"	19' 11½"	4-4-4-4	16	4	3
17' 6⅜"	20' 2⅜"	3-3-4-3-3	16	5	4
18' 1"	20' 11"	6-5-6	17	3	2
18' 6¾"	21' 4¾"	3-4-3-4-3	17	5	4
19' 1⅜"	22' 1⅜"	6-6-6	18	3	2
19' 4¼"	22' 4¼"	4-5-5-4	18	4	3
19' 7⅛"	22' 7⅛"	3-4-4-4-3	18	5	4
20' 7½"	23' 9½"	4-4-3-4-4	19	5	4
21' 5"	24' 9"	5-5-5-5	20	4	3
21' 7⅞"	24' 11⅞"	4-4-4-4-4	20	5	4
21' 10¾"	25' 2¾"	3-3-4-4-3-3	20	6	5
22' 8¼"	26' 2¼"	3-5-5-5-3	21	5	4
23' 2"	26' 8"	3-3-3-3-3-3-3	21	7	6
23' 8⅝"	27' 4⅝"	5-4-4-4-5	22	5	4
23' 11½"	27' 7½"	3-4-4-4-4-3	22	6	5
24' 2⅜"	27' 10⅜"	3-3-3-4-3-3-3	22	7	6
24' 9"	28' 7"	4-5-5-5-4	23	5	4
25' 2¾"	29' 0¾"	4-3-3-3-3-3-4	23	7	6
25' 9⅜"	29' 9⅜"	5-5-4-5-5	24	5	4
26' 0¼"	30' 0¼"	4-4-4-4-4-4	24	6	5
26' 9¾"	30' 11¾"	5-5-5-5-5	25	5	4
27' 3½"	31' 5½"	4-4-3-3-3-4-4	25	7	6
27' 10⅛"	32' 2⅛"	5-5-6-5-5	26	5	4
28' 1"	32' 5"	5-4-4-4-4-5	26	6	5
28' 10½"	33' 4½"	6-5-5-5-6	27	5	4
29' 10⅞"	34' 6⅞"	5-6-6-6-5	28	5	4
30' 1¾"	34' 9¾"	4-5-5-5-5-4	28	6	5
30' 11¼"	35' 9¼"	6-6-5-6-6	29	5	4
31' 11⅝"	36' 11⅝"	6-6-6-6-6	30	5	4
32' 2½"	37' 2½"	5-5-5-5-5-5	30	6	5
33' 5¾"	38' 7¾"	4-4-5-5-5-4-4	31	7	6
34' 3¼"	39' 7¼"	4-6-6-6-6-4	32	6	5
35' 6½"	41' 0½"	4-5-5-5-5-5-4	33	7	6

STEEL MULLION COVER FURNISHED AT EXTRA COST WHEN SPECIFIED. MAY BE USED WITH DOUBLE OR SINGLE MULLION WITH STEM TURNED IN OR OUT.



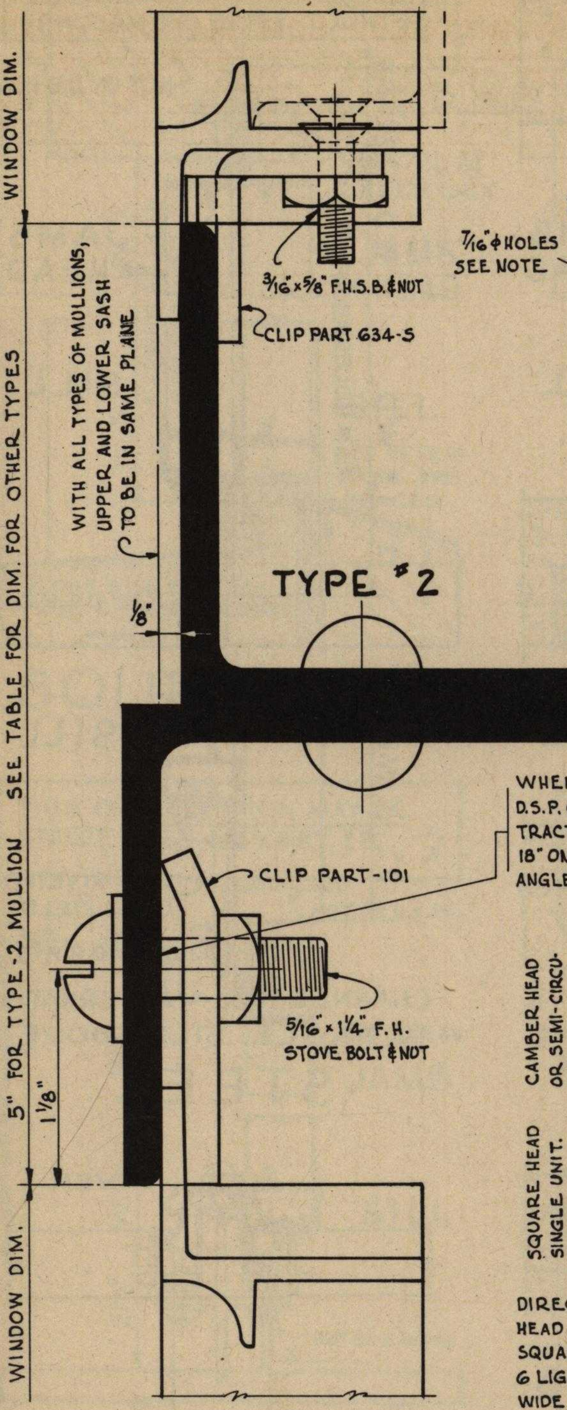
SINGLE MULLION WITH STEM TURNED OUT IS MORE RIGID THAN WITH STEM TURNED IN.

HORIZONTAL SECTION OF SINGLE MULLION

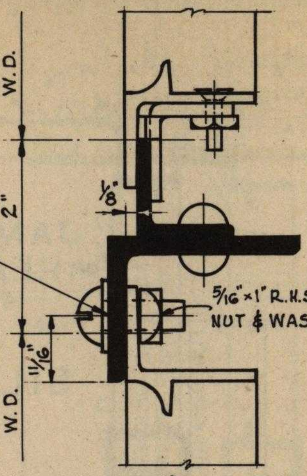


DOUBLE VERTICAL MULLION

VERTICAL MULLIONS (HORIZONTALLY PIVOTED COMMERCIAL PROJECTED) L-122


WINDOW DIM.
WITH ALL TYPES OF MULLIONS, UPPER AND LOWER SASH TO BE IN SAME PLANE
5" FOR TYPE-2 MULLION SEE TABLE FOR DIM. FOR OTHER TYPES
3/16"×5/8" F.H.S.B. & NUT
CLIP PART 634-S
1/8"
CLIP PART-101
5/16"×1 1/4" F.H. STOVE BOLT & NUT
1 1/8"
WINDOW DIM.

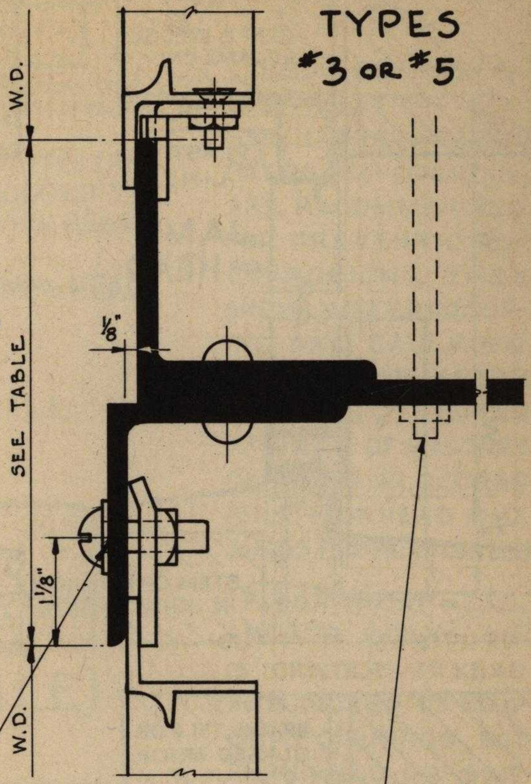
TYPE #2



TYPE #1

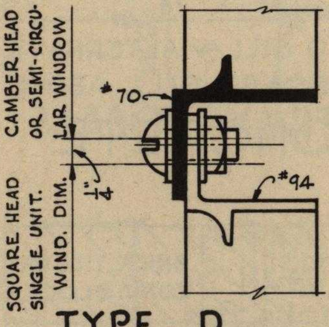
NOTE: WHEN MULLION IS NOT BY D.S.P. Co., 7/16"φ HOLES TO BE PUNCHED BY STEEL OR MULLION CONTRACTOR TO MATCH HOLES IN SASH.

TYPES #3 OR #5



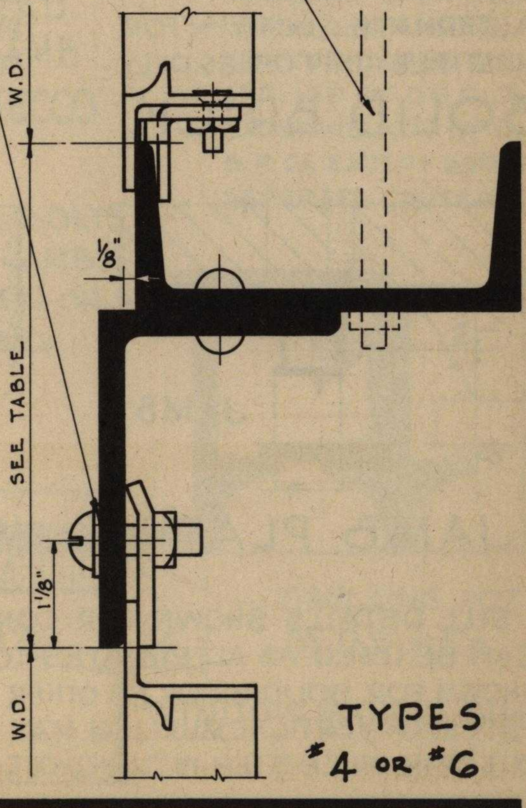
NOTE
WHEN MULLIONS ARE NOT BY D.S.P. Co., STEEL (OR MULLION) CONTRACTOR MUST PUNCH 7/16"φ HOLES 18" ON CENTERS IN LEG OF LOWER ANGLE FOR ATTACHMENT OF CLIPS

TIE RODS (ATTACHED TO ROOF, STRUCTURAL STEEL ETC.) MAY BE USED IN OPENINGS OVER 10'-0" WIDE TO BRACE HORIZONTAL MULLION. NOT FURNISHED OR ATTACHED BY D.S.P. Co.


CAMBER HEAD OR SEMI-CIRCULAR WINDOW
SQUARE HEAD SINGLE UNIT. WIND. DIM.
#70
1/4"
#94

TYPE D

DIRECT ATTACHMENT OF CAMBER HEAD OR SEMI-CIRCULAR UNIT TO SQUARE HEAD SINGLE UNIT UP TO 6 LIGHTS WIDE. UNITS 7 OR 8 LIGHTS WIDE REQUIRE A STRUCTURAL MULL.

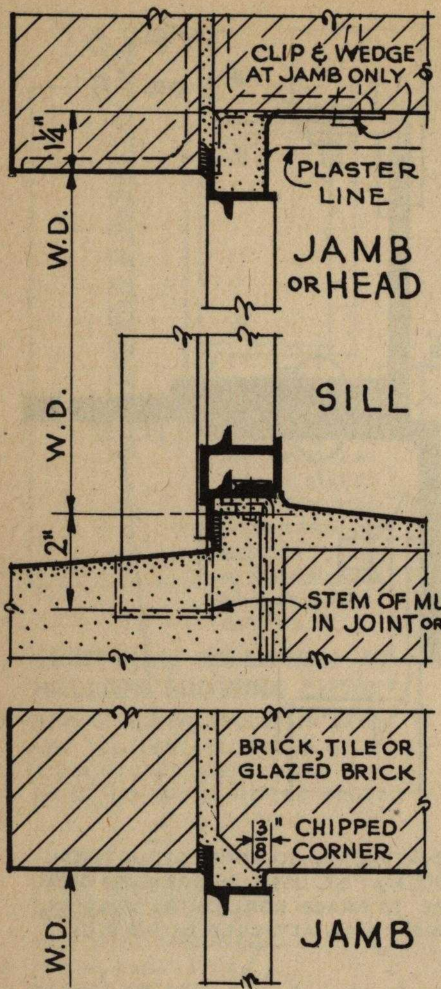


TYPES #4 OR #6

LIGHTS WIDE		MULL.	STEEL ANGLES		PLATE OR	WEIGHT	BETWEEN
12"×18" GLASS	14"×20" GLASS	TYPE	REQ'D.	SIZE	CHANNEL	PER FOOT	WIND. DIMS.
SINGLE UNITS UP TO & INCLUDING 6 LIGHTS WIDE		1	1 1	1"×1"×1/8" 2"×1 1/2"×3/16"	NONE	3.0#	2"
3 TO 9	3 TO 8	2	2	2 1/2"×2 1/2"×3/16"	NONE	6.5#	5"
10 TO 13	9 TO 11	3	2	2 1/2"×2 1/2"×3/16"	6"×1/4" PLATE	11.5#	5 1/4"
10 TO 13	9 TO 11	4	1	3 1/2"×2 1/2"×1/4"	4" CHANNEL	10.5#	5 1/4"
14 TO 18	12 TO 16	5	2	3"×3"×5/16"	6"×1/4" PLATE	17.5#	6 1/4"
14 TO 18	12 TO 16	6	1	4"×3"×5/16"	6" CHANNEL	15.5#	6 1/4"

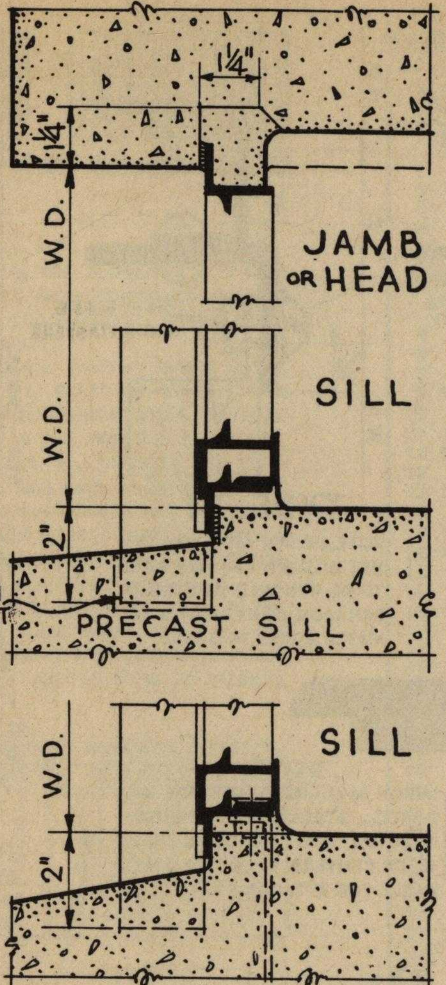
NOTE: ONLY MULLIONS OF SIZE AND DESIGN SHOWN WILL BE FURNISHED BY D.S.P. Co. WHEN SPECIFIED. MULLIONS TO EXTEND 4" INTO MASONRY AT JAMBS FOR ANCHORAGE.

HORIZONTAL MULLIONS (HORIZONTALLY PIVOTED COMMERCIAL PROJECTED) L-123


CLIP & WEDGE AT JAMB ONLY
1¼"
PLASTER LINE
W.D.
JAMB OR HEAD
SILL
W.D.
2"
STEM OF MULLION IN JOINT OR POCKET
BRICK, TILE OR GLAZED BRICK
3/8"
CHIPPED CORNER
W.D.
JAMB

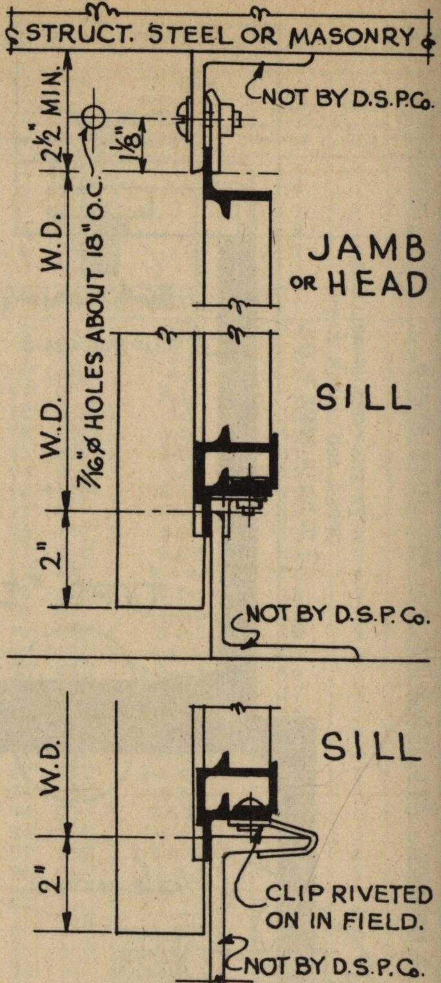
ALTERNATE JAMB ~ FOR MULTIPLE UNIT OPNGS. ONLY

SOLID BRICK



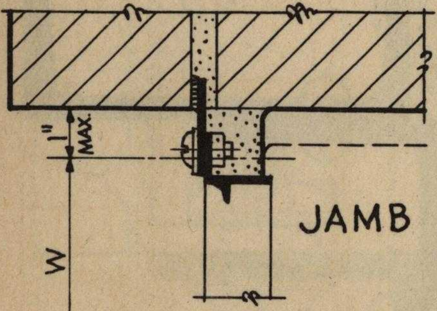
POURED SILL ~ ALTERNATE TO PRECAST SILL ABOVE

CONCRETE

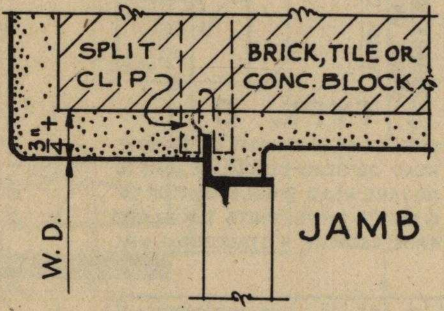


CHANNEL SILL ~ ALTERNATE TO ANGLE SILL ABOVE

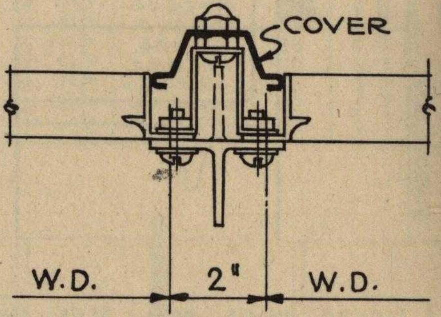
STEEL



JAMB PLATE



MASONRY & STUCCO

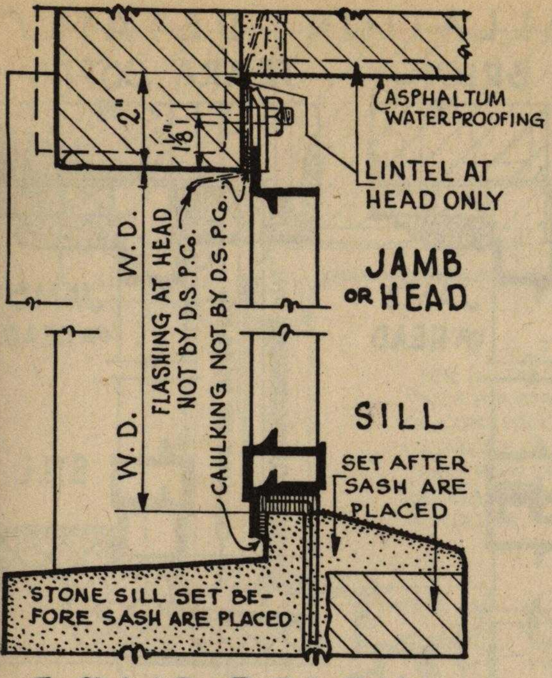


MULLION COVER

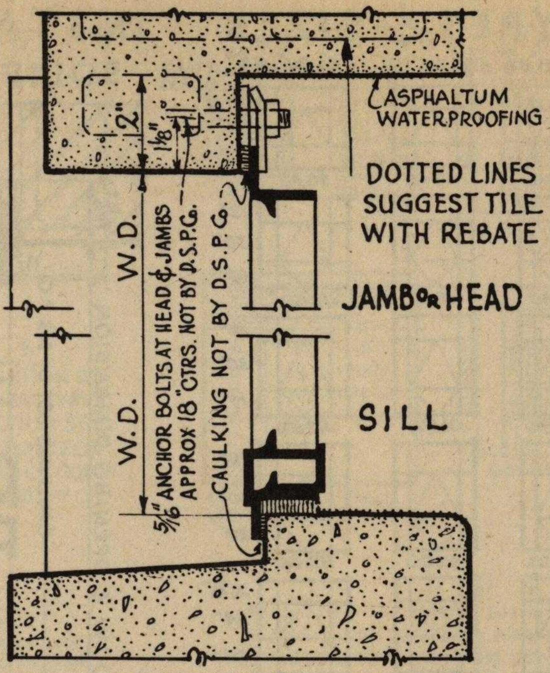
SILL DETAILS SHOWN FOR CONCRETE CAN BE USED AS ALTERNATES TO DETAIL SHOWN FOR SOLID BRICK (OR OTHER MASONRY).

STEM OF VERTICAL MULLION MAY BE TURNED OUT OR IN. WHEN STEM IS TURNED OUT, GREATER STIFFNESS IS SECURED. NOTE IN SILL DETAILS THAT STEM OF MULLION ANCHORS INTO SILL, EITHER AT A JOINT OR INTO A POCKET PREPARED FOR IT.

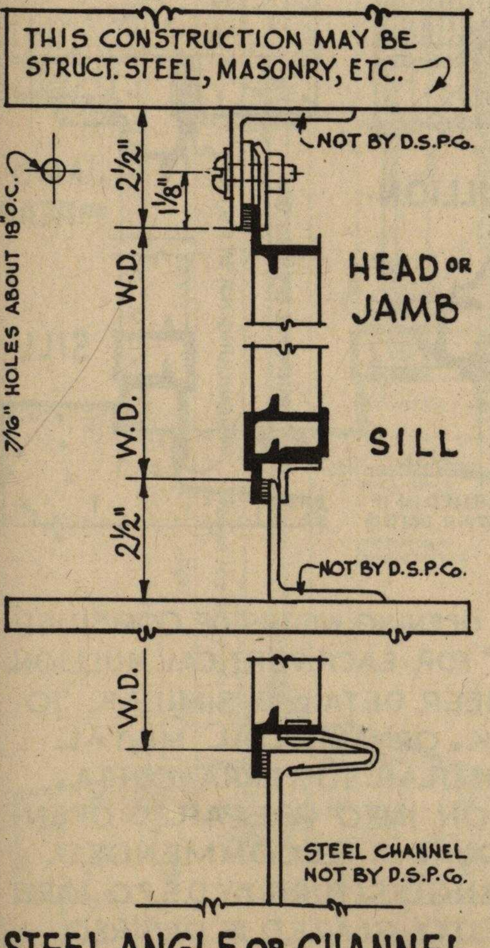
STRUCT. STEEL, CAULKING OR GROUT NOT BY D.S.P.Co.


ASPHALTUM WATERPROOFING
2"
1/8"
LINTEL AT HEAD ONLY
W.D.
FLASHING AT HEAD NOT BY D.S.P.Co.
CAULKING NOT BY D.S.P.Co.
JAMB OR HEAD
SILL
W.D.
SET AFTER SASH ARE PLACED
STONE SILL SET BEFORE SASH ARE PLACED

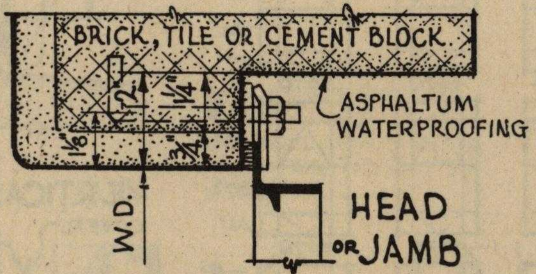
SOLID BRICK


ASPHALTUM WATERPROOFING
2"
1/8"
DOTTED LINES SUGGEST TILE WITH REBATE
W.D.
5/16" ANCHOR BOLTS AT HEAD & JAMBS APPROX 18" CTRS. NOT BY D.S.P.Co.
CAULKING NOT BY D.S.P.Co.
JAMB OR HEAD
W.D.
SILL

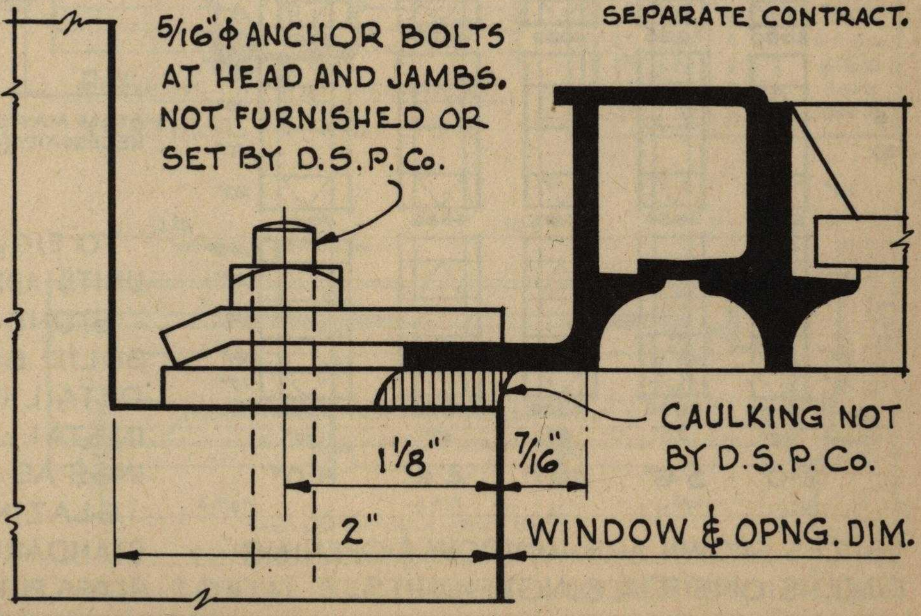
CONCRETE (OR TILE)


THIS CONSTRUCTION MAY BE STRUCT. STEEL, MASONRY, ETC.
NOT BY D.S.P.Co.
2 1/2"
1 1/8"
7/16" HOLES ABOUT 18" O.C.
W.D.
HEAD OR JAMB
W.D.
SILL
2 1/2"
NOT BY D.S.P.Co.
W.D.
STEEL CHANNEL NOT BY D.S.P.Co.

STEEL ANGLE OR CHANNEL



MASONRY WITH STUCCO


5/16"ɸ ANCHOR BOLTS AT HEAD AND JAMBS. NOT FURNISHED OR SET BY D.S.P.Co.
CAULKING NOT BY D.S.P.Co.
1 1/8"
7/16"
2"
WINDOW & OPNG. DIM.

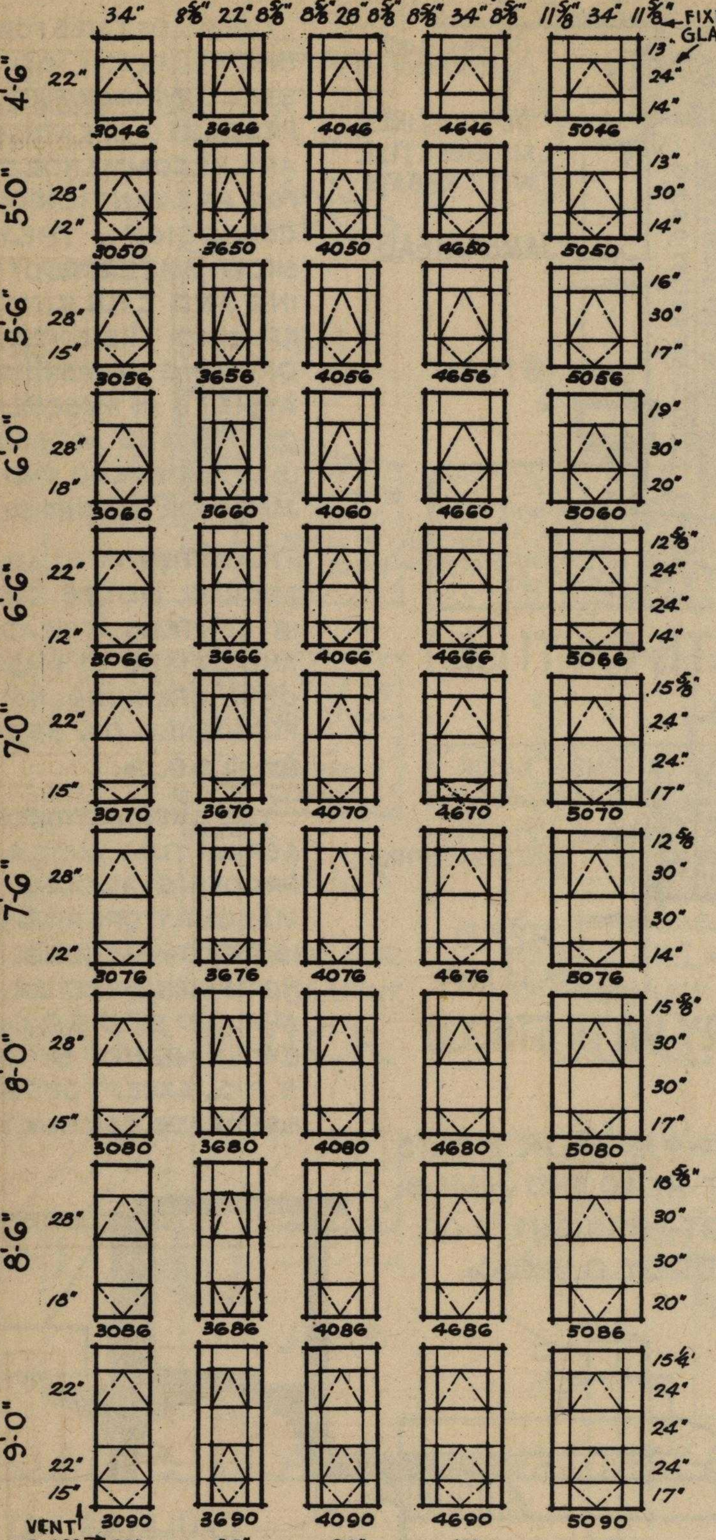
NOTE

THESE DETAILS FOR INSTALLATION OF STEEL WINDOWS INTO PREPARED OPENINGS ARE RECOMMENDED FOR PREVENTION OF CORROSION. THEY SHOW WATERPROOFING AND CAULKING AROUND THE ENTIRE OPENING, FLASHING AT HEAD OF MASONRY DETAIL AND ACCESSIBILITY OF HEAD AND JAMBS FOR PAINTING ETC.

FLASHING AT HEAD, ANCHOR BOLTS ON 18" CENTERS AT HEAD AND JAMBS OF MASONRY OPENINGS, NOT FURNISHED OR SET BY D.S.P. Co.

THE APPLICATION OF ASPHALTUM WATERPROOFING AROUND MASONRY OPENINGS IS RECOMMENDED. NOT FURNISHED OR APPLIED BY D.S.P. Co. CAULKING NOT BY D. S. P. Co. EXCEPT UNDER SEPARATE CONTRACT.

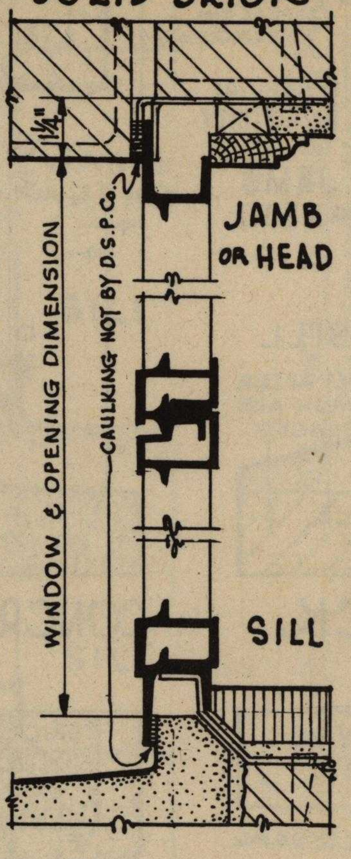
STANDARD TYPES & SIZES



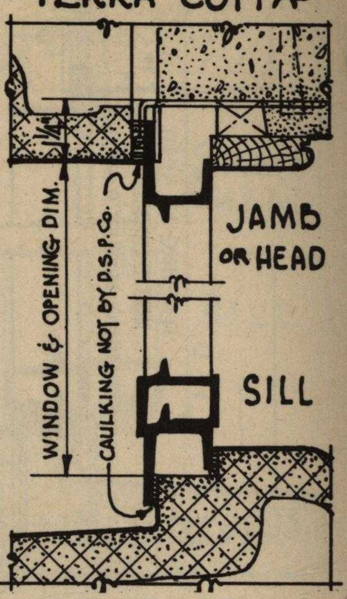
SIZES SHOWN ARE WINDOW & OPENING DIMENSIONS FOR SINGLE UNITS.

INSTALLATION DETAILS

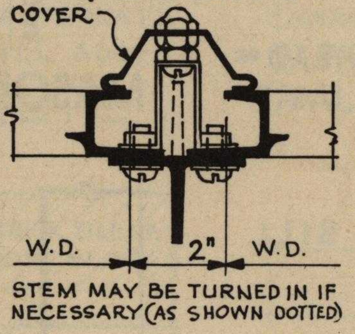
SOLID BRICK



TERRA COTTA

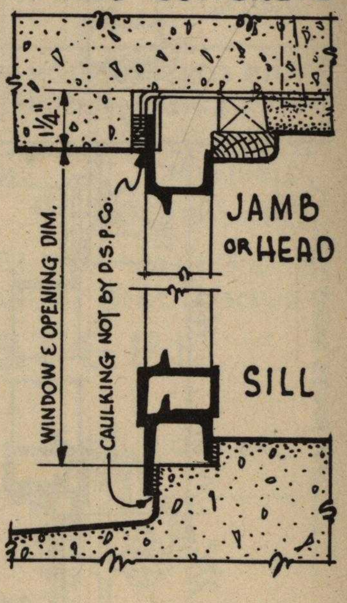


VERTICAL MULLION.



STEM MAY BE TURNED IN IF NECESSARY (AS SHOWN DOTTED)

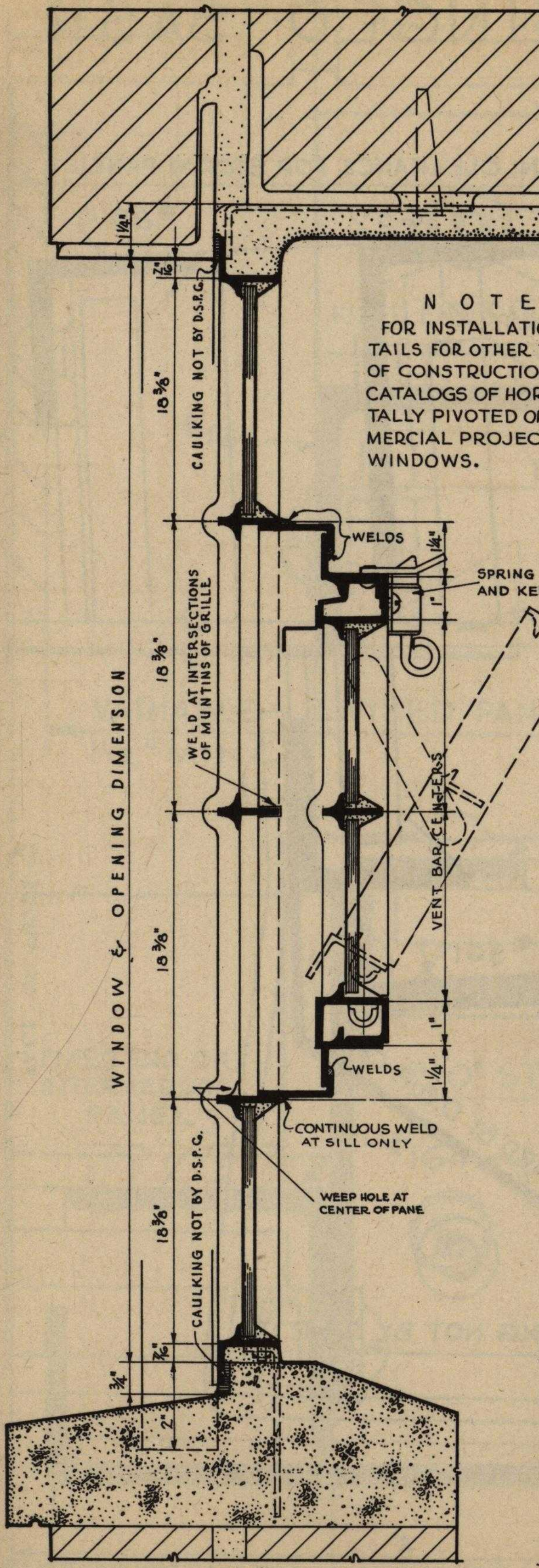
POURED CONCRETE



TO FIGURE OPENING WIDTHS OF COMBINED UNITS, ADD 2" FOR EACH VERTICAL MULLION.

STONE VENEER DETAIL IS SIMILAR TO SOLID BRICK. ORNAMENTAL METAL DETAIL IS SIMILAR TO TERRA-COTTA. INSTALLATION INTO PREPARED OPENINGS AS SHOWN IS RECOMMENDED.

GLAZING ANGLES (FURN. BY D.S.P. Co.) ARE STANDARD. PUTTY GLAZED IF DESIRED. GLASS, PUTTY & GLAZING NOT BY D.S.P. Co.

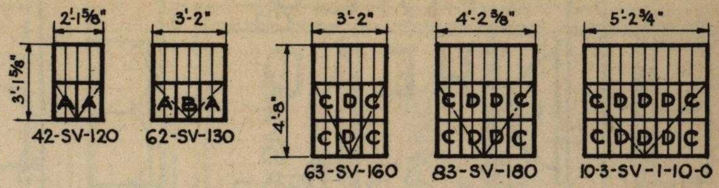


VERTICAL SECTION

N O T E

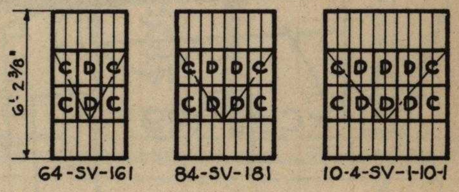
FOR INSTALLATION DETAILS FOR OTHER TYPES OF CONSTRUCTION SEE CATALOGS OF HORIZONTALLY PIVOTED OR COMMERCIAL PROJECTED WINDOWS.

STANDARD TYPES AND SIZES



GLASS SIZES	
SYMBOL	SIZE
A	9¾" × 13½"
B	12 " × 13½"
C	9¾" × 15¾"
D	12 " × 15¾"

ALL GLASS IN FIXED LIGHTS = 5⅞" × 18"



N O T E

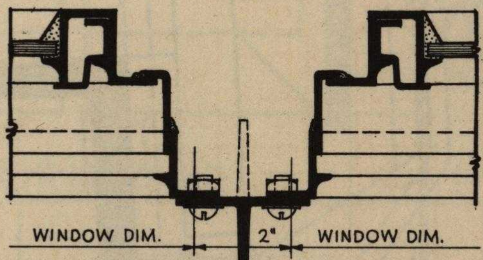
MUNTINS IN VENTS SHOWN BY HEAVY LINES.

GLASS SIZE LETTERS ARE USED ONLY TO SHOW LOCATIONS. THEY REFER TO GLASS IN VENTILATORS ONLY. GLASS IS OMITTED FROM GRILLE DIRECTLY IN FRONT OF VENT.

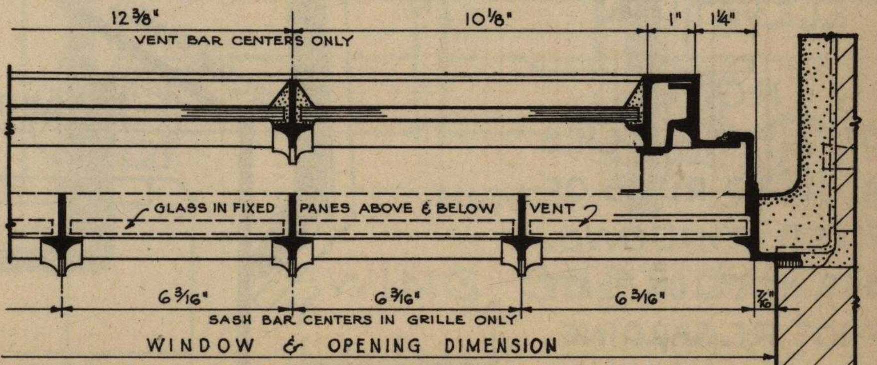
FOR OPENING WIDTHS OF COMBINATIONS NOT SHOWN BELOW, ADD TOGETHER WINDOW DIMENSIONS PLUS 2" FOR EACH MULLION.

SYMMETRICAL COMBINATIONS				
WIDTH OF OPENING	LIGHTS WIDE	UNITS WIDE	NO. OF MULLS.	ARRANGEMENT OF UNITS
4'-5¼"	8	2	1	4-4
6'-6"	12	2	1	6-6
6'-8⅞"	12	3	2	4-4-4
7'-9¼"	14	3	2	4-6-4
8'-6¾"	16	2	1	8-8
8'-9⅝"	16	3	2	6-4-6
9'-0½"	16	4	3	4-4-4-4
9'-10"	18	3	2	6-6-6
10'-7½"	20	2	1	10-10
10'-10⅜"	20	3	2	6-8-6
11'-10¾"	22	3	2	6-10-6
11'-10¾"	22	3	2	8-6-8
12'-11⅛"	24	3	2	8-8-8
13'-2"	24	4	3	6-6-6-6
13'-11½"	26	3	2	10-6-10
13'-11½"	26	3	2	8-10-8
16'-0¼"	30	3	2	10-10-10

VERTICAL MULLION WITH STEM TURNED OUT AS SHOWN BELOW IS RECOMMENDED AS MOST RIGID. STEM MAY TURN IN (AS DOTTED) IF DESIRED.

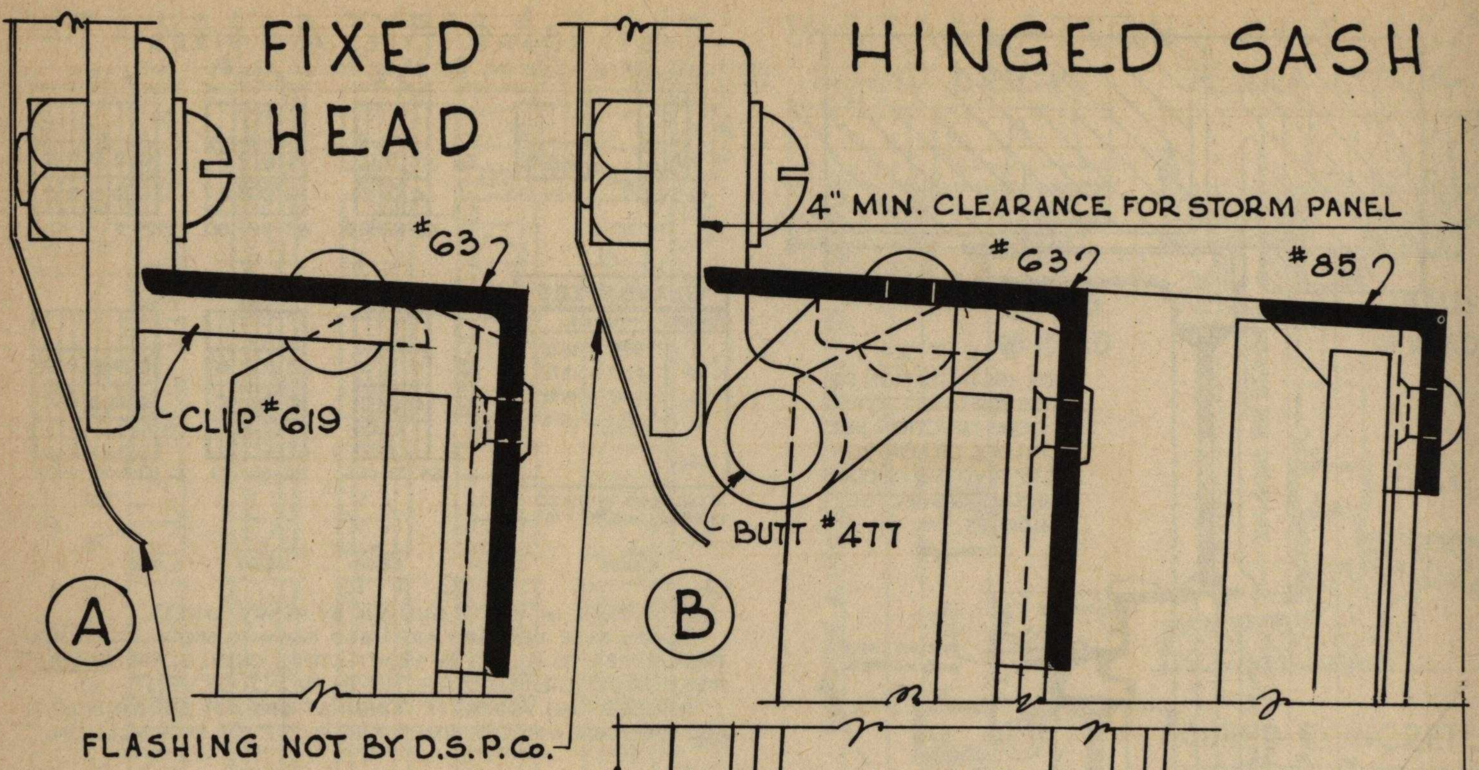


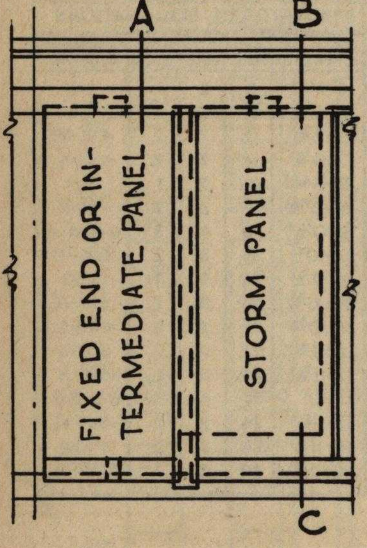
VERTICAL MULLION


12⅜"
VENT BAR CENTERS ONLY
10⅛"
1"
1¼"
GLASS IN FIXED PANES ABOVE & BELOW
VENT
6 3/16"
6 3/16"
6 3/16"
7/16"
SASH BAR CENTERS IN GRILLE ONLY
WINDOW & OPENING DIMENSION

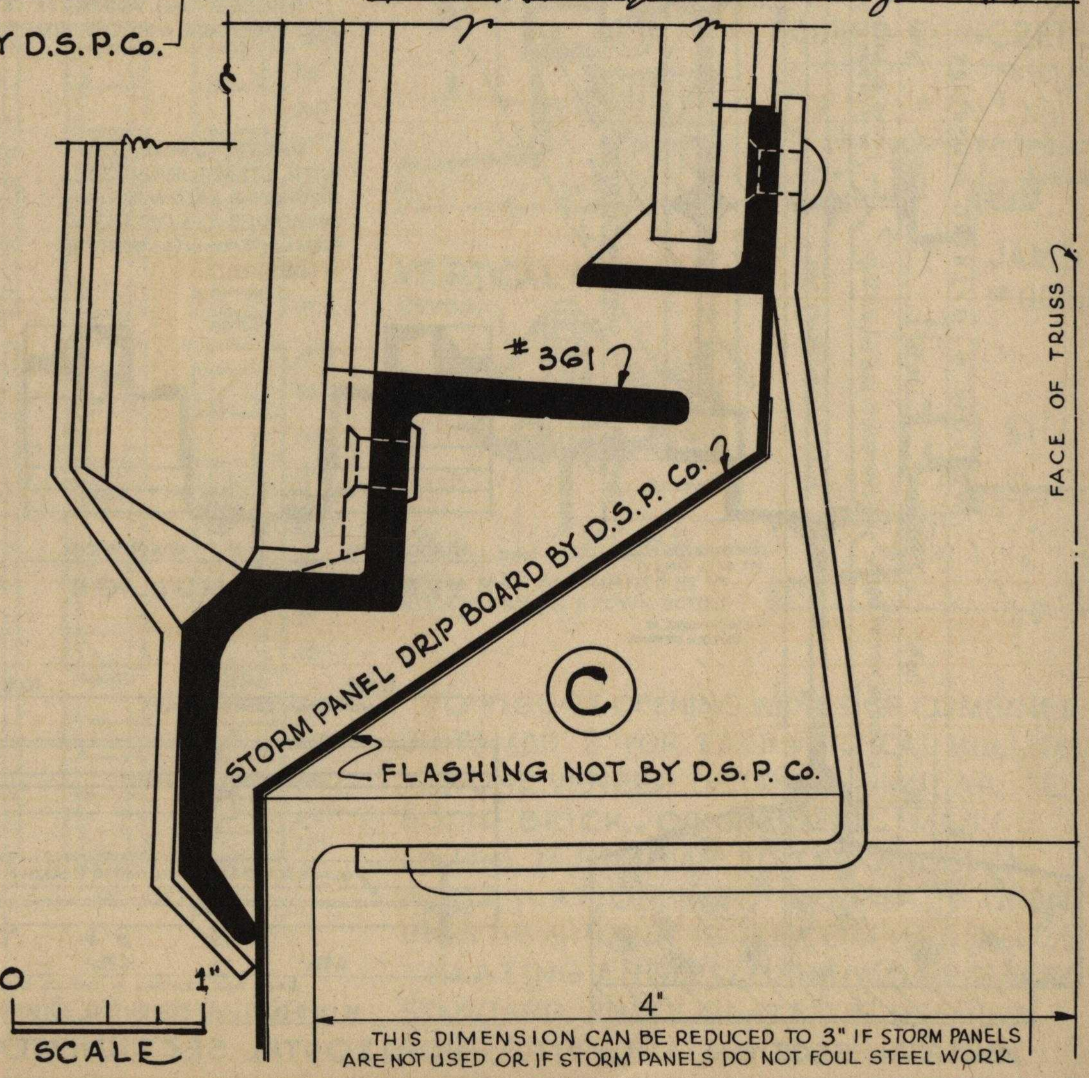
HORIZONTAL SECTION AT VENTILATOR

SECURITY (GUARD) WINDOWS L-204



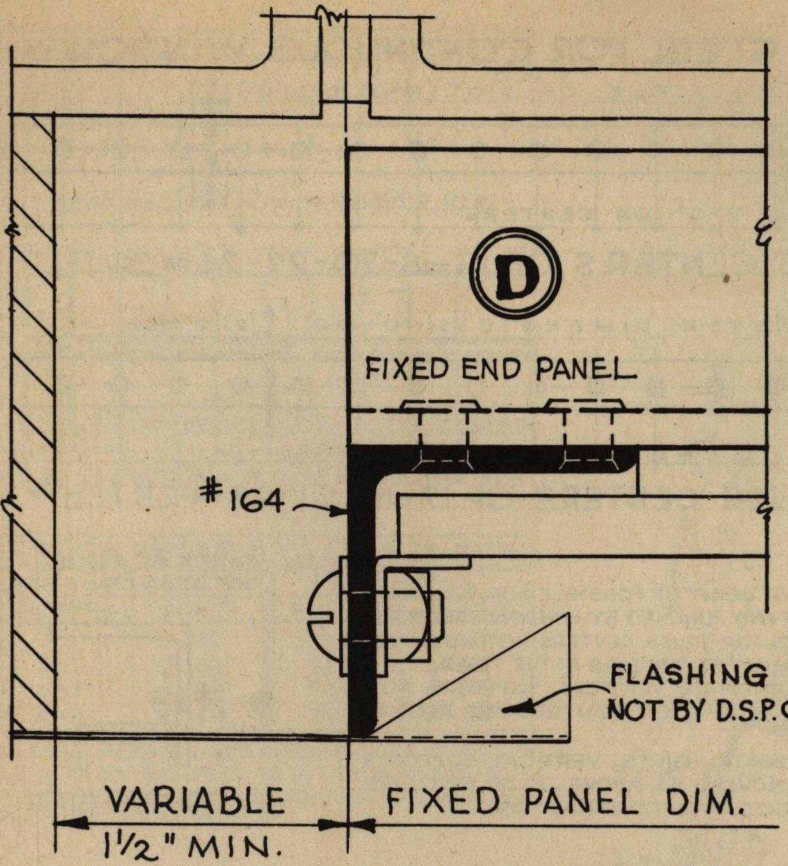


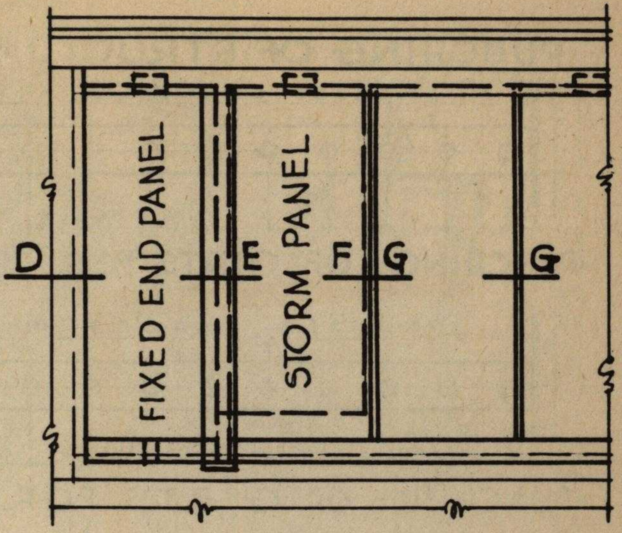
ELEVATION


#361
STORM PANEL DRIP BOARD BY D.S.P. Co.
C
FLASHING NOT BY D.S.P. Co.
FACE OF TRUSS
4"
THIS DIMENSION CAN BE REDUCED TO 3" IF STORM PANELS ARE NOT USED OR IF STORM PANELS DO NOT FOUL STEEL WORK
0
1"
SCALE

NOTE
DETAIL "A" APPLIES ALSO TO RUNS OF FIXED WINDOWS. SEE NOTE ON PLATE P-107 REGARDING FUTURE OPERATION.

CONTINUOUS WINDOW SECTIONS P-110

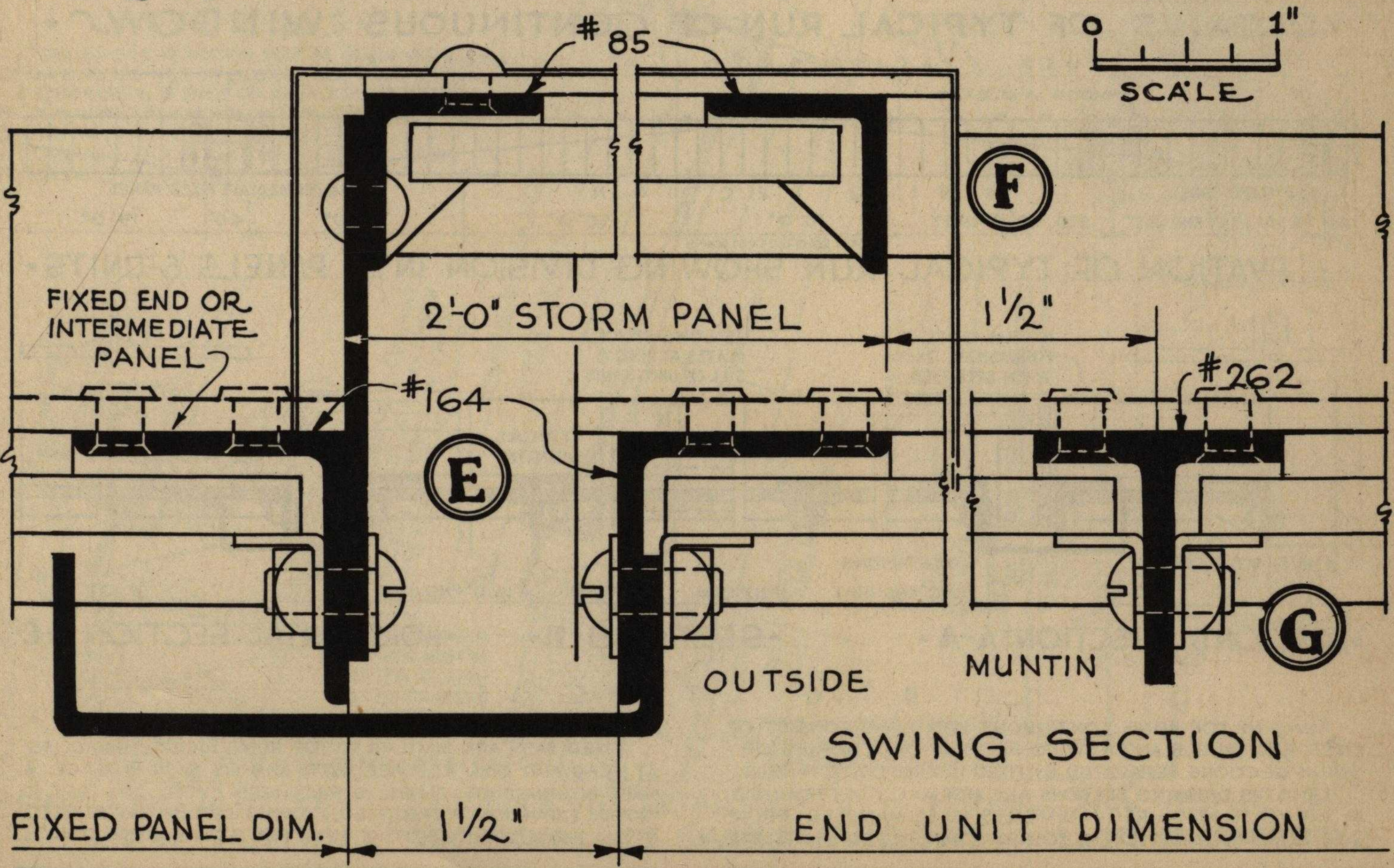




OUTSIDE ELEVATION

NOTE

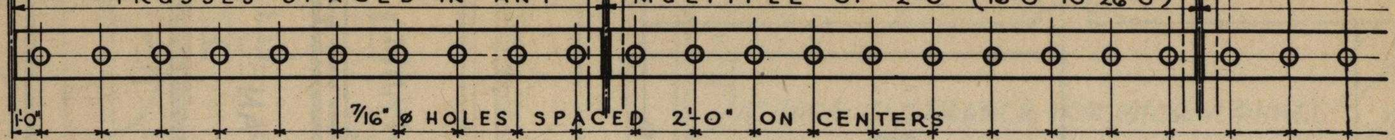
ELEVATION ABOVE SHOWS FIXED END PANEL BUT DETAIL "E" APPLIES AS WELL TO FIXED INTERMEDIATE PANEL.



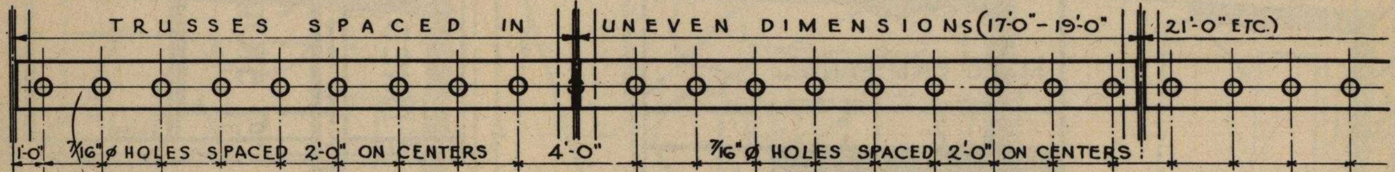
SWING SECTION

CONTINUOUS WINDOW SECTIONS P-111

•PUNCHING OF STRUCTURAL STEEL FOR CONTINUOUS WINDOWS•


TRUSSES SPACED IN ANY MULTIPLE OF 2'-0" (16'-0" TO 26'-0")
1'-0"
7/16" ø HOLES SPACED 2'-0" ON CENTERS

•PUNCHING OF GIRTS FOR TRUSS CENTERS OF 16-18-20-22-24 OR 26 FEET•


TRUSSES SPACED IN UNEVEN DIMENSIONS (17'-0" - 19'-0" 21'-0" ETC.)
1'-0"
7/16" ø HOLES SPACED 2'-0" ON CENTERS
4'-0"
7/16" ø HOLES SPACED 2'-0" ON CENTERS

•PUNCHING OF GIRTS FOR TRUSS CENTERS OF 17-19-21-23 OR 25 FEET•

NOTES

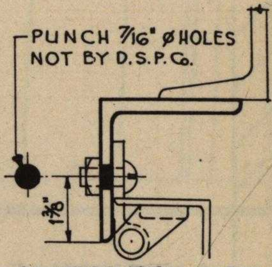
THESE DETAILS SHOW STRUCTURAL SHOP PUNCHING OF GIRTS AT HEAD OF CONTINUOUS WINDOWS FOR BUTTS OF SWING SASH, OR FOR CLIPS OF FIXED SASH, FIXED END PANELS AND FIXED INTERMEDIATE PANELS ~

IN TRUSS SPACINGS NOT MULTIPLES OF 2'-0", HOLES OCCURING AT JOINTS OF GIRTS (AT EVERY SECOND TRUSS) MUST BE OMITTED. IF A BUTT OR CLIP IS REQUIRED AT THIS POINT, THE BOLT FOR ATTACHING THE BUTT OR CLIP MAY BE INSERTED THRU THE JOINT (IF POSSIBLE) OR A HOLE LOCATED AND PUNCHED BY WINDOW ERECTORS.

GIRTS FOR TRUSS CENTERS NOT MULTIPLES OF 1'-0" MUST BE PUNCHED IN THE FIELD.

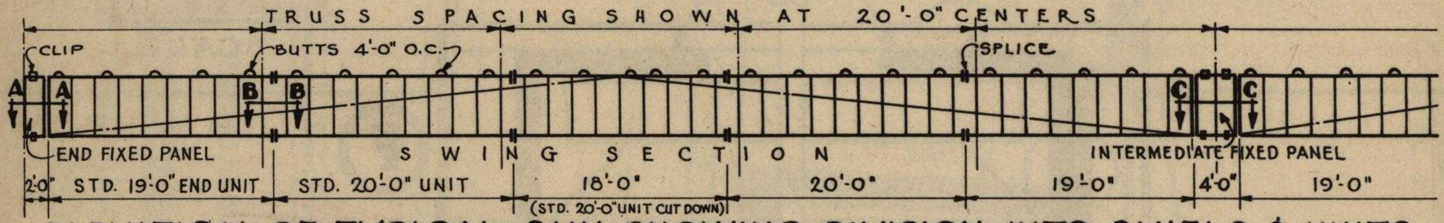
INTERMEDIATE VERTICAL SUPPORTS NOT MORE THAN 10'-0" ON CENTERS ARE RECOMMENDED.

HORIZONTAL GIRTS, VERTICAL SUPPORTS AND PUNCHING AS ABOVE, TO BE PROVIDED BY STRUCTURAL CONTRACTOR.

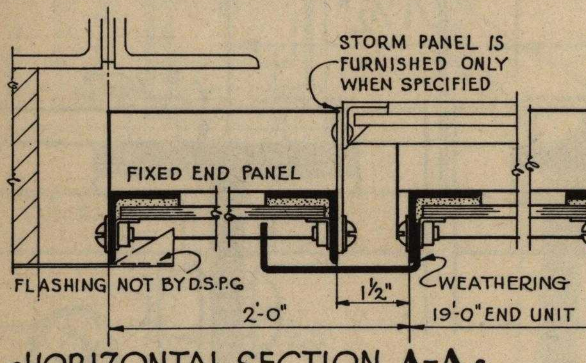


•SECTION THRU GIRT•

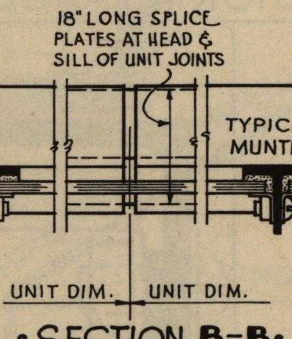
•DETAILS OF TYPICAL RUN OF CONTINUOUS WINDOWS•



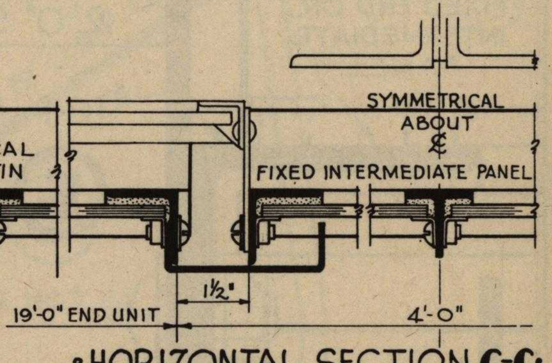
•ELEVATION OF TYPICAL RUN SHOWING DIVISION INTO PANELS & UNITS•


STORM PANEL IS FURNISHED ONLY WHEN SPECIFIED
FIXED END PANEL
FLASHING NOT BY D.S.P.Co.
1 1/2"
WEATHERING
2'-0"
19'-0" END UNIT

•HORIZONTAL SECTION A-A•



•SECTION B-B•



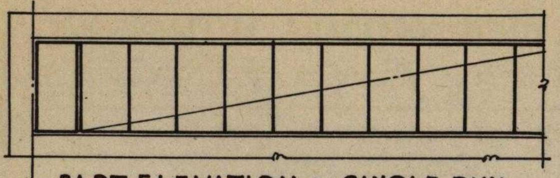
•HORIZONTAL SECTION C-C•

NOTES

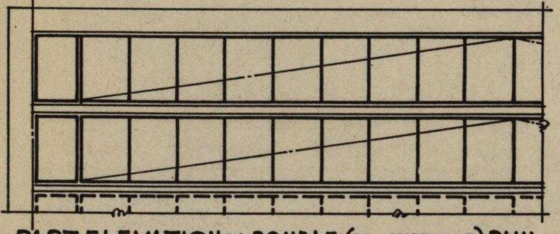
RUNS OF TOP HUNG CONTINUOUS WINDOWS CONSIST OF FIXED END PANELS AND A SWING SECTION OR A SERIES OF SWING SECTIONS SEPARATED BY FIXED INTERMEDIATE PANELS.

LENGTHS OF SWING SECTIONS ARE NORMALLY DETERMINED BY THE VENTILATION REQUIREMENTS TO BE HANDLED FROM ONE CONTROL STATION. ~ FOR RECOMMENDED LIMITS FOR LENGTHS OF RUNS SEE CONTINUOUS OPERATOR CATALOG.

FIXED SASH ARE SIMILAR TO TOP HUNG EXCEPT THAT CLIPS AT HEAD AND SILL REPLACE BUTTS AND FIX SASH IN PLACE. A FIXED INTERMEDIATE PANEL IS REQUIRED EVERY 200 FEET TO PROVIDE EXPANSION. IF SPECIFIED, A SWING SECTION MAY BE FIXED AT SILL BUT HUNG WITH BUTTS AT HEAD FOR FUTURE OPERATION.



•PART ELEVATION ~ SINGLE RUN•



•PART ELEVATION ~ DOUBLE (OR MULTIPLE) RUN•

WINDOW HEIGHTS & GLASS SIZE DATA			
WINDOW DIM.	CLEAR OP'NG	GLASS SIZES	
HEIGHT	HEIGHT	WIDTH	HEIGHT
3'-0"	2'-10½"	23½"	2'-9¼"
4'-0"	3'-10½"	23½"	3'-9¼"
5'-0"	4'-10½"	23½"	4'-9¼"
6'-0"	5'-10½"	23½"	5'-9¼"

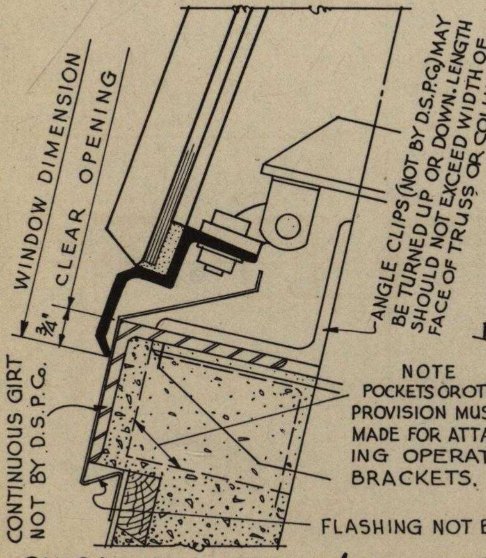
GLASS IN FIXED END AND INTERMEDIATE PANELS IS 22" IN WIDTH. HEIGHTS AS IN TABLE ABOVE ~ ~ FOR SIZE OF GLASS IN STORM PANELS SEE DETAIL PLATE ON STORM PANELS.

•NOTES•

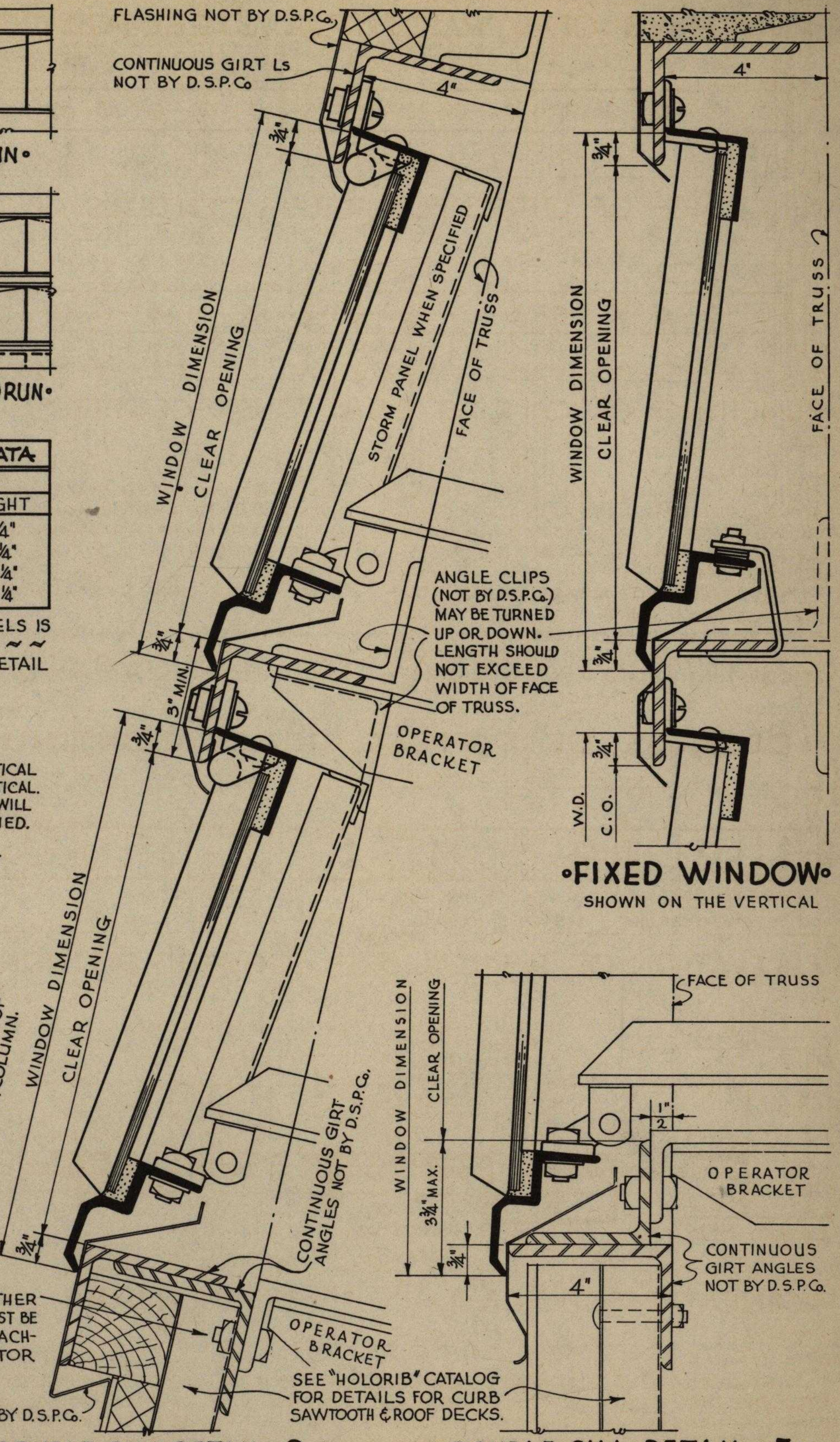
CONTINUOUS WINDOWS MAY BE ON THE VERTICAL OR ON A SLOPE NOT TO EXCEED 30% FROM VERTICAL.

STORM PANELS, AT ENDS OF SWING SECTIONS, WILL BE FURNISHED AT EXTRA COST WHEN SPECIFIED. SEE DETAILS ON STORM PANEL PLATE.

FLASHING AND STRUCTURAL STEEL NOT FURNISHED BY D.S.P.Co.


WINDOW DIMENSION
CLEAR OPENING
¾"
ANGLE CLIPS (NOT BY D.S.P.Co.) MAY BE TURNED UP OR DOWN. LENGTH SHOULD NOT EXCEED WIDTH OF FACE OF TRUSS OR COLUMN.
CONTINUOUS GIRT NOT BY D.S.P.Co.
FLASHING NOT BY D.S.P.Co.

•SINGLE SILL DETAIL-1•


FLASHING NOT BY D.S.P.Co.
CONTINUOUS GIRT Ls NOT BY D.S.P.Co
4"
¾"
WINDOW DIMENSION
CLEAR OPENING
STORM PANEL WHEN SPECIFIED
FACE OF TRUSS
ANGLE CLIPS (NOT BY D.S.P.Co.) MAY BE TURNED UP OR DOWN. LENGTH SHOULD NOT EXCEED WIDTH OF FACE OF TRUSS.
¾"
3" MIN.
¾"
OPERATOR BRACKET
WINDOW DIMENSION
CLEAR OPENING
¾"
CONTINUOUS GIRT ANGLES NOT BY D.S.P.Co.
NOTE POCKETS OR OTHER PROVISION MUST BE MADE FOR ATTACHING OPERATOR BRACKETS.
OPERATOR BRACKET
SEE "HOLORIB" CATALOG FOR DETAILS FOR CURB SAWTOOTH & ROOF DECKS.
4'
¾"
WINDOW DIMENSION
CLEAR OPENING
FACE OF TRUSS
¾"
¾"
W.D.
C.O.
FACE OF TRUSS
WINDOW DIMENSION
CLEAR OPENING
1"
2
3¾" MAX.
¾"
OPERATOR BRACKET
CONTINUOUS GIRT ANGLES NOT BY D.S.P.Co.
4"

•FIXED WINDOW•
SHOWN ON THE VERTICAL

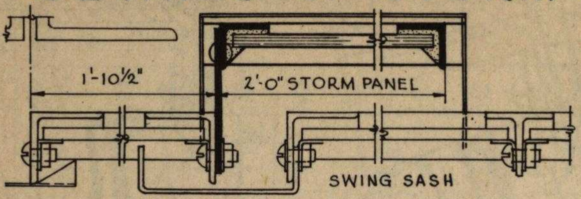
•DOUBLE SILL DETAIL-2•

•DOUBLE SILL DETAIL-3•

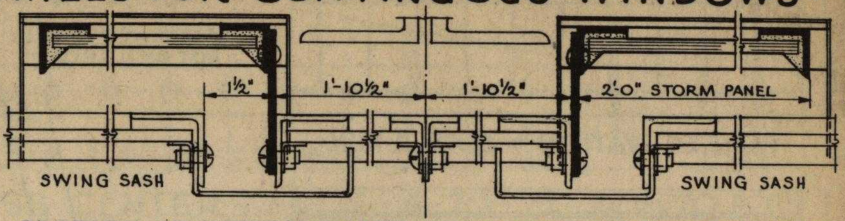
•TYPICAL VERTICAL SECTIONS OF SWING WINDOWS (ON SLOPE OR ON VERTICAL)

CONTINUOUS ~~ SINGLE & DOUBLE RUNS P-108

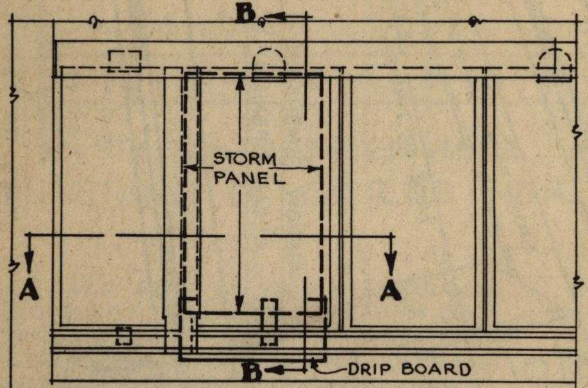
•DETAILS OF STORM PANELS FOR CONTINUOUS WINDOWS•



•DETAIL A-A AT END OF SWING RUN•



•SECTION AT INTERMEDIATE FIXED PANEL BETWEEN RUNS•



•ELEVATION AT END OF SWING RUN•

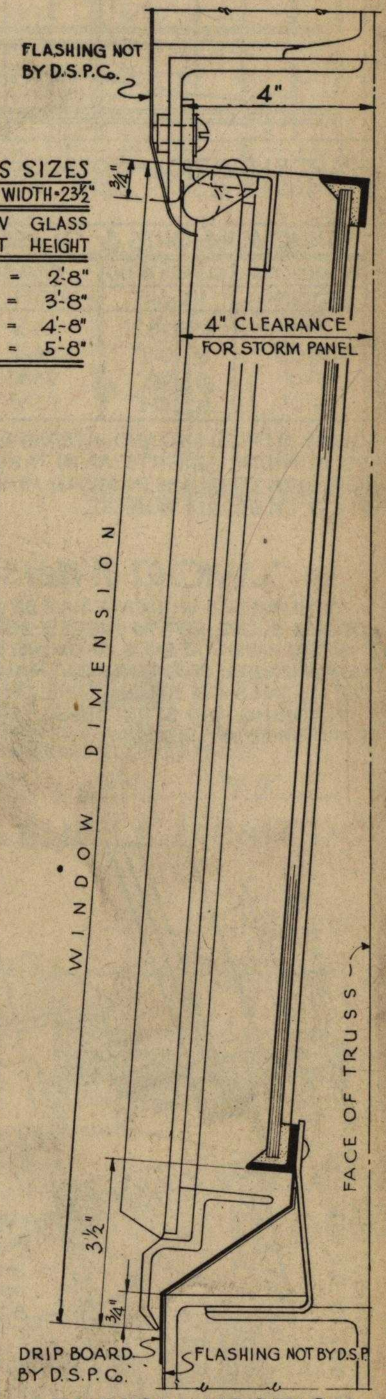
NOTES

STORM PANELS AT ENDS OF SWING SECTIONS OF TOP HUNG WINDOWS PROVIDE PROTECTION FROM WEATHER WHEN SWING SECTIONS ARE OPENED. STORM PANELS ARE FURNISHED AT EXTRA COST ONLY WHEN SPECIFIED. THEY ARE NOT USED WITH CONTINUOUS WINDOWS IN SIDE WALL CONSTRUCTION OR IN TALL VERTICAL BAYS AS IN DETAILS SHOWN BELOW

GLASS SIZES

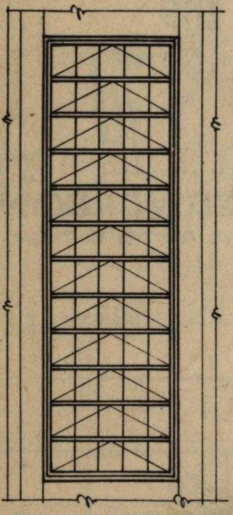
GLASS WIDTH - 23½"

WINDOW HEIGHT		GLASS HEIGHT
3'-0"	=	2'-8"
4'-0"	=	3'-8"
5'-0"	=	4'-8"
6'-0"	=	5'-8"



•TYPICAL VERTICAL• SECTION ~ B-B•

•CONTINUOUS WINDOWS IN TALL VERTICAL BAYS•



•TYPICAL ELEVATION•

NOTES

CONTINUOUS WINDOWS MAY BE USED IN SHORT RUNS AS SIDEWALL WINDOWS OR GROUPED IN TALL NARROW BAYS SUCH AS FOR POWER HOUSES OR IN SIMILAR BUILDINGS. IN SUCH CONSTRUCTION, END AND STORM PANELS ARE NOT USED AND THE SWING SASH WEATHER DIRECTLY ON BAFFLE MEMBERS ATTACHED TO THE BUILDING CONSTRUCTION

FOR OPERATION OF WINDOWS IN TALL VERTICAL BAYS SEE CONTINUOUS OPERATOR CATALOG.

IN SKETCHES BELOW, THE SASH ARE REMOVED TO SHOW BAFFLE MEMBERS AT JAMBS.

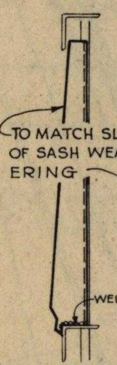


FIG. 1

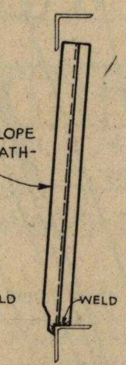
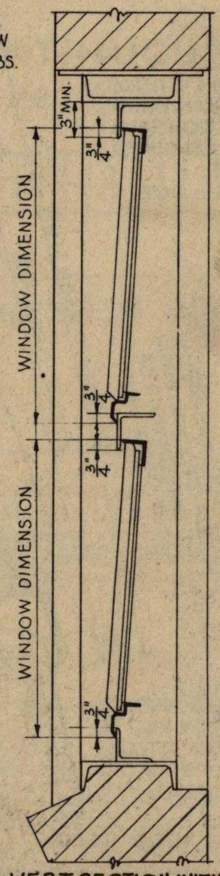


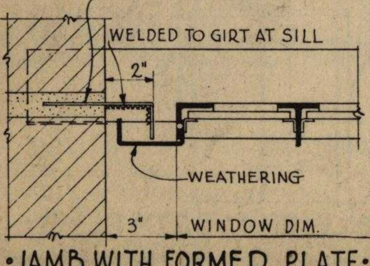
FIG. 2

FIG-1 SHOWS A FORMED PLATE WITH EDGE SHEARED TO MATCH SLOPE OF SASH WEATHERING. IN FIG. 2 - Z-BAR IS TILTED TO CONTACT WEATHERING. SEE DETAILS BELOW.



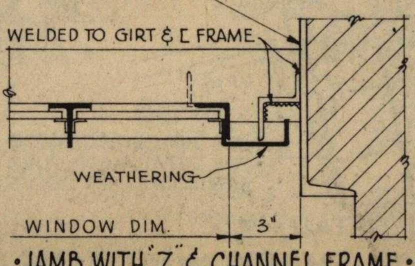
VERT. SECTION WITH CHANNEL FRAME

FORMED PLATE BAFFLE NOT FURNISHED OR SET BY D.S.P.Co. ~ SET IN PLACE WHEN WALL IS ERECTED



•JAMB WITH FORMED PLATE•

CHANNEL FRAME & Z-BAR BAFFLE NOT FURNISHED OR INSTALLED BY D.S.P.Co.



•JAMB WITH "Z" & CHANNEL FRAME•

CONTINUOUS ~~ VERT. BAYS ~ STORM PANELS P-109

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